

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 21st May 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	16,650	4,497 14 0	7,540 20	201 6 0	7 0 0	4,705 14 0	011	67	908
Or per mile of railway...	...	198 1 9	...	13 1 3	0 5 0	211 8 0	...	...	...
For previous 19 weeks of half-year...	391,337	1,04,287 11 0	1,61,052 10	5,508 11 0	124 7 0	1,09,920 13 0	18,085	841	18,926
Total for 20 weeks...	408,207	1,09,605 9 0	1,68,592 30	5,710 11 0	131 7 0	1,14,626 11 0	18,096	908	19,004
COMPARISON.									
Total for corresponding week of previous year...	18,727	4,908 13 1	8,835 30	319 15 0	7 8 0	5,234 4 1	013	55	928
Or per mile of railway corresponding week of previous year...	...	220 8 6	...	14 0 1	0 5 5	235 4 0	...	...	...
Total to corresponding date of previous year...	418,400	1,11,406 12 11	2,21,708 30	7,035 11 0	137 3 0	1,19,173 11 4	20,400	2,426	22,826

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
22½	Rs. 5,234	Rs. 235	22½	Rs. 4,706	Rs. 212	22½	Rs. 48,875	Rs. 2,107	22½	Rs. 44,007	Rs. 1,954	...	2,603

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 21st May 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	8,687	1,471 7 0	32,063 20	2,180 1 0	28 14 0	3,039 6 6	170	960	630
Or per mile of railway...	...	35 0 7	...	50 14 10	0 11 0	70 10 5	...	...	...
For previous 19 weeks of half-year...	60,646	23,382 11 0	9,78,347 30	61,768 2 0	648 8 9	62,700 5 0	3,056	11,548	15,204
Total for 20 weeks...	69,333	24,854 2 0	10,00,404 10	63,907 3 0	677 0 9	69,138 12 3	3,826	12,008	16,814
COMPARISON.									
Total for corresponding week of previous year...	8,824	1,048 10 0	15,102 30	361 12 0	14 10 0	2,026 5 10	335	233	588
Or per mile of railway corresponding week of previous year...	...	24 15 0	...	22 14 5	0 5 6	48 3 7	...	...	...
Total to corresponding date of previous year...	10,7164	2,595 4 11	1,18,215 30	8,003 6 0	174 13 9	16,832 6 8	2,310	2,040	4,358

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
42	Rs. 2,026	Rs. 48	42	Rs. 1,630	Rs. 37	42	Rs. 16,832	Rs. 377	42	Rs. 32,560	Rs. 762	17,028	...

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 21st May 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	23,891	Rs. A. P. 8,010 0 0	Mds. S. 56,000 0	Rs. A. P. 5,990 0 0	Rs. A. P. 60 0 0	Rs. A. P. 11,570 0 0	8,780	1,424	6,200
Or per mile of railway	191	64 0 0	448 0	31 0 0	.....	96 0 0	.....	.....	.....
For previous 19 weeks of half-year	470,839	1,62,770 0 0	7,40,434 0	47,070 0 0	881 0 0	2,11,398 0 0	72,508	27,406	100,000
Total for 20 weeks	503,130	1,70,780 0 0	8,02,434 0	51,570 0 0	942 0 0	2,23,298 0 0	70,384	28,810	105,500
COMPARISONS.									
Total for corresponding week of previous year	21,747	Rs. 8,005 0 0	Mds. 34,758 0	Rs. 2,385 0 0	Rs. 14 0 0	Rs. 10,407 0 0	8,812	1,896	5,210
Per mile of railway corresponding period of previous year	190	65 0 0	278 0	19 0 0	.....	84 0 0	.....	.....	.....
Total to corresponding date of previous year	501,001	1,72,570 0 0	7,70,019 0	44,972 0 0	868 0 0	2,18,840 0 0	78,177	27,641	105,518

\* Audited up to week ending 20th March 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
125	Rs. 10,497	Rs. 84	125	Rs. 11,070	Rs. 96	125	Rs. 50,187	Rs. 92	125	Rs. 80,288	Rs. 92	201	Rs. ....

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 21st May 1887, on 240 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 240 miles open	59,130	Rs. A. P. 13,007 7 11	Mds. S. 1,88,558 0	Rs. A. P. 10,001 14 0	Rs. A. P. 3,425 0 3	Rs. A. P. 35,555 0 8	5,906	6,581	12,487
Or per mile of railway	157	55 8 0	787 0	70 9 0	2 14 0	131 15 0	.....	.....	.....
For previous 19 weeks of half-year	732,452	2,89,395 8 1	31,35,460 0	3,11,876 1 8	59,417 15 0	6,54,690 0 4	103,452	111,472	217,924
Total for 20 weeks	771,513	2,96,493 0 0	33,23,974 0	3,39,038 0 0	62,844 0 0	6,60,245 0 4	112,448	117,953	230,401
COMPARISONS.									
Total for corresponding week of previous year on 240 miles open	37,739	Rs. 12,550 8 1	Mds. 1,37,164 0	Rs. 18,071 0 2	Rs. 3,153 14 0	Rs. 34,814 8 9	5,093	5,108	11,001
Per mile of railway corresponding week of previous year	153	51 3 0	575 0	75 14 0	1 3 0	125 4 0	.....	.....	.....
Total to corresponding date of previous year	711,130	2,59,292 3 8	25,98,859 10	2,62,050 3 5	59,073 12 8	5,72,016 3 0	95,190	101,295	196,485

\* Steam-bout earnings included in calculating "Total earnings per mile of railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
240	Rs. 54,414	Rs. 140	240	Rs. 55,555	Rs. 143	240	Rs. 7,42,117	Rs. 954	240	Rs. 2,77,212	Rs. 1,113	15,045	.....

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 21st May 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. E.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,798	1,667 12 3	8,323 20	549 10 1	19 7 0	1,684 19 4	560	254	763
Or per mile of railway ...	102	60 8 0	325 0	20 2 0	0 11 0	60 0 0	...	...	...
For previous 19 weeks of half-year ...	37,185	21,634 3 0	2,50,040 10	14,382 5 11	401 9 0	22,408 3 8	9,743	6,405	16,335
Total for 20 weeks ...	39,976	23,602 0 0	2,58,903 0	14,931 0 0	420 6 0	23,643 0 0	10,252	6,740	17,001
COMPARISON.									
Total for corresponding week of previous year ...	2,611½	1,025 7 4	4,951 10	442 11 0	13 13 11	1,489 0 3	509	254	763
Per mile of railway corresponding week of previous year ...	96	37 10 0	183 0	16 4 0	0 8 0	54 0 0	...	...	...
Total to corresponding date of previous year ...	32,084	20,680 13 0	1,67,201 30	12,664 4 0	532 4 5	23,797 0 8	10,525	6,571	16,606

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
27½	Rs. 1,488	Rs. 54	27½	Rs. 1,035	Rs. 60	27½	Rs. 33,241	Rs. 480	27½	Rs. 14,182	Rs. 510	Rs. 241	...

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 14th May 1887	...	...	...	...	Rs. 10,050
Corresponding week last year	...	...	...	...	12,589
Decrease	...	...	...	...	2,539
Receipts from 1st January to 14th May 1887	...	...	...	...	1,40,565
From 1st January to 15th May 1886	...	...	...	...	1,63,504
Decrease	...	...	...	...	22,944
Miles open week ending 14th May 1887	...	...	...	...	Miles. 51
Corresponding week last year	...	...	...	...	50½
Increase	...	...	...	...	½
Receipts per mile open week ending 14th May 1887	...	...	...	...	Rs. A. P. 167 0 11
Corresponding week last year	...	...	...	...	248 1 2
Decrease	...	...	...	...	51 0 3

CHIEF OFFICE, DARJEELING, 25th May 1887.

W. STEVENSON, Secretary, D.-H. Railway.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 21st May 1887	...	...	...	...	Rs. 10,717
Corresponding week last year	...	...	...	...	12,802
Decrease	...	...	...	...	2,085
Receipts from 1st January to 21st May 1887	...	...	...	...	1,51,282
From 1st January to 22nd May 1886	...	...	...	...	1,76,312
Decrease	...	...	...	...	25,030
Miles open, week ending 21st May 1887	...	...	...	...	Miles. 51
Corresponding week last year	...	...	...	...	50½
Increase	...	...	...	...	½
Receipts per mile open, week ending 21st May 1887	...	...	...	...	Rs. A. P. 210 2 2
Corresponding week last year	...	...	...	...	252 4 4
Decrease	...	...	...	...	42 2 2

CHIEF OFFICE, DARJEELING, 26th May 1887.

W. STEVENSON, Secretary, D. H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 8, 1887.

## OFFICIAL PAPERS.

*New-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### RESOLUTION ON THE BOARD'S REPORT ON THE ROAD AND PUBLIC WORKS CESS FOR THE YEAR 1885-86.

#### FINANCIAL DEPARTMENT—ROAD AND PUBLIC WORKS CESS.

*Darjeeling, the 2nd June 1887.*

#### RESOLUTION.

##### Read—

The Report from the Board of Revenue on the Road and Public Works Cess operations for the cess year 1885-86 terminating on the 30th September 1885.

##### Read also—

The Report for 1884-85, and the Resolution recorded upon it.

No change was made during the year in the rates at which the cesses were levied; the maximum rates having been levied in all the districts in which the Act is in force, except Backergunge, where the Public Works Cess was levied at full and the Road Cess at half rates. In many districts there has been a reduction of the demand on revaluation, yet upon the whole both cesses continue to show an increase. It is estimated that this increase will continue at the rate of Rs. 62,265 a year, which is the average of the last three years. This is at the rate of about four-fifths per cent. per annum, showing an increase of nearly ten lakhs per annum in the annual value of the property assessed.



2. The following table compares the results of the year with those of three preceding years :—

	DEMAND.			BALANCES.			Deduct remissions.	Net arrears.	Percentage of net balance and gross demand.
	Current.	Arrear.	Total.	Current.	Arrear.	Total.			
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1882-83 ... ..	78,10,811	11,42,280	89,53,107	10,00,330	1,77,390	11,86,721	27,940	11,58,780	13.7
1883-84 ... ..	75,75,697	12,40,273	88,15,970	13,56,773	2,04,100	15,60,873	30,093	15,30,780	18.6
1884-85 ... ..	74,36,830	16,01,317	90,38,147	11,00,007	3,07,191	14,07,198	36,337	13,70,861	15.8
1885-86 ... ..	74,97,008	14,65,317	89,62,325	11,24,145	3,03,303	14,27,448	39,351	13,88,098	15.4

The gross demand was thus Rs. 89,62,325. Of this, Rs. 75,38,825 was collected and Rs. 39,351 remitted, leaving a balance of Rs. 13,88,098 outstanding at the close of the year. Though there has been a slight reduction both in arrear and in current balances, the Lieutenant-Governor must consider the general result unsatisfactory. In reviewing the report for 1882-83, Sir Rivers Thompson remarked with regret that so large a sum as Rs. 1,77,390 had been left unrealized for more than 12 months. Since that time, however, there has been, not a reduction, but a large increase, in the arrear balances, and at the close of the past year they amounted to Rs. 3,03,303. The net balance (current and arrear) increased from Rs. 11,58,780 in 1882-83 to Rs. 15,93,081 in 1883-84, Rs. 14,38,631 in 1884-85, and Rs. 13,88,098 in 1885-86. In 1883-84 the explanation given was failure of crops and the fact that the last day for payment of the September instalment fell within the Doorga Poojah holidays. In 1884-85 the large balances were attributed partly to increase in the demand and partly to the floods which had occurred in some districts. This year no general explanation is offered. With an increase of only Rs. 1,86,797 in the current demand, the outstanding balance has increased by Rs. 2,29,318 since 1882-83. The Lieutenant-Governor trusts that the Board will take measures to prevent a state of things which was unknown before 1883-84 from becoming chronic; and he begs that district officers may be specially urged to exert themselves to improve the collections in the current year. While the Provincial funds are barely sufficient to provide for the ordinary requirements of the administration, it is necessary that the just demands of Government in all branches of the revenue should be promptly realized.

3 On comparing the arrear collections with the arrear demand, it is observed that in the following districts the arrear collections fell short of 90 per cent :—

	Percentage of arrear collections on arrear demand.	Percentage of current collections on current demand.
Burdwan ... ..	30.9	82.8
Bhagulpore ... ..	58.8	91.0
Bankoora ... ..	61.1	84.9
Hooghly ... ..	65.6	73.0
Balnsore ... ..	70.6	77.0
Shahabad ... ..	72.8	76.7
Manbhoom ... ..	75.4	96.8
Mozufferpore ... ..	78.6	76.7
Furzedpore ... ..	79.1	61.8
Poorce ... ..	79.9	66.7
Cuttack ... ..	81.4	86.5
Durbhunga ... ..	83.3	79.4
Monghyr ... ..	86.9	85.9
Patna ... ..	88.3	83.2
Sarun ... ..	88.6	84.1
Chittagong ... ..	88.7	87.6
Backergunge ... ..	89.9	81.3

Of these 17 districts, 13 are the same as those which appeared in the list last year. Moorshedabad, Maldah, Midnapore, Pabna, Dacca, and Nuddea have disappeared from the list, and Manbhoom, Poorce, Sarun, and Chittagong have been added. Burdwan, which was the second worst district in regard to arrear collections in 1882-83, has during the past three years headed the list. In 1883-84 the percentage collected was 33.3, in 1884-85 43, and in 1885-86

30-9. The explanation always offered is the difficulty of collecting three years' back demand from numerous petty rent-free holdings assessed under Chapter IV, Part II of the Act. The same cause is, however, in operation in the adjoining district of Hooghly, where the percentage of arrear collections has never fallen below 61, and in the past year was 65. The Lieutenant-Governor will be prepared to consider proposals for a general revaluation of the Burdwan district. The explanation offered of the very unsatisfactory percentage in Bhagulpore, that it was due to drought, cannot be accepted as sufficient, nor can the plea put forward regarding the difficulty of realizing the demand from the holders of the ghatwali tenures. The Lieutenant-Governor concurs with the Board in considering that the failure in the districts of Patna Division is insufficiently explained by a reference to the delay inseparable from the certificate procedure. Such an argument is not appropriate in the case of arrears of more than twelve months' standing. The Lieutenant-Governor observes with satisfaction that in Hazaribagh, Purneah, Darjeeling, Bogra, and Rajshahye the whole of the arrear demand, and in Dinagepore 99·2, Beerbhoom 98·4, Lohardugga 97·6, and Rungpore 95·1 per cent., was realized. The absence of an arrear demand, as has been repeatedly observed, is the best evidence of efficient collections. In Durbhunga the Collector observes that the falling off is due chiefly to the abolition of the long-standing practice of demanding payment of cesses before accepting the revenue challans during the kist days from the beginning of the current cess year. The Board rightly observe that this illegal practice ought never to have been tolerated by the Collectors of the district.

In some districts of the Patna Division it has been found necessary to resort, as an exceptional measure, to the provisions of section 99 of the Cess Act for the realization of arrears. This is a salutary provision for meeting cases of inveterate contumacy, but the Lieutenant-Governor agrees with the Board in considering that, when it is employed, the strictest supervision should be exercised.

4. The list given above shows the districts in which the arrear collection fell short of 90 per cent. In the following districts, though the arrear collections were not less than 90 per cent., the current collections fell below that amount:—Singbhoom (57·0), Midnapore (77·1), Dacca (78·0), Gya (79·1), Tipperah (80·4), Chumparun (81·0), Nuddea (84·1), Jessore (85·5), Julpigoree (87·0), 24-Pergunnahs (87·2), Maldah (87·6), and Khulna (89·6). Of these, Singbhoom was brought under the operation of the Cess Act only last year.

The percentages of collection on current demand was in Lohardugga 99·8, in Hazaribagh 99·6, in Purneah 98·1, in Beerbhoom 97·7, in Darjeeling 97·3, and in Dinagepore and Rungpore 95.

5. The number of certificates filed and disposed of for the recovery of cess during the past three years is as follows:—

			Number made.	Number disposed of.
1883-84	...	...	74,674	73,386
1884-85	...	...	77,631	78,385
1885-86	...	...	77,577	80,273

The increase in the number of disposals is simultaneous with a trifling decrease in the number of institutions. The smallest number of certificates filed was, as usual, in the Chota Nagpore Division, viz., 894, being less than the total of a single district in many of the other divisions. Next comes the Presidency Division with 4,657. The largest numbers occur in the Patna Division, 23,490, and the Burdwan Division, 15,753.

6. A complete revaluation of the district of Cuttack has resulted in an increase in the gross annual value of Rs. 4,32,274 and in the demand of cesses of Rs. 24,152. In Pooree a revaluation has been completed, except in the Government estate of Khoorda, where it is still in progress. In Balasore the work is still incomplete. General revaluations are proceeding in Gya, Chumparun, and Shahabad. In Purneah also a general revaluation has been sanctioned, but it was not commenced during the year. Operations in Mozufferpore have been temporarily postponed, as it was deemed inexpedient to undertake the work while a survey and record of rights under the Tenancy Act was being effected in a considerable portion of the district.

Partial valuations and revaluations are in progress in several districts, particulars of which are not of much importance. During the year 6,235 separate accounts were opened, under section 44 of the Act, for Rs. 93,584 payable as cess. At the close of the year the number of accounts remaining open was 32,000 for Rs. 13,29,846 of cess. The number of separate cess accounts opened in revenue-free estates, under section 46 of the Act, is 37, against 59 in the preceding year.

7. Before passing orders on the question whether Statement IV should be discontinued, the Lieutenant-Governor desires to be informed of the cause of the large increase in the numbers of estates and tenures assessed with cess as compared with those shown in the last return. His Honour would also wish to know whether, if the statement be retained, any difficulty would be felt in breaking up column 3, which shows the number of estates assessed with cess, into Land Revenue-paying and Land Revenue-free estates.

8. The Lieutenant-Governor's thanks are due to the Board of Revenue for their efficient supervision during the year over this branch of the administration. The names of the Deputy Collectors who have been favourably noticed by the Board will be communicated to the Appointment Department of Government.

ORDERS.—Ordered that a copy of the Resolution, and of the Board's Report, be submitted to the Government of India, Finance and Commerce Department, for information.

Ordered, also, that a copy of the Resolution be forwarded to the Board of Revenue, and copies of the Resolution and of the Board's Report to the Appointment and Revenue Departments of Government, for information.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

*Secretary to the Govt. of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 4th June 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BUDDHAN DIV.	1. Bardwan. June 4, '87	2.05	Weather—moist; sultry; east wind prevalent. Prospects excellent. Prices still low. Public health good. Cattle-pox in Cutwa.
	2. Culna	5.15	
	3. Raneagunga	4.86	
	4. Bankura	2.76	Weather—sultry. Ploughing going on briskly throughout the district and sowing has begun. Sugarcane and indigo growing well. Public health good.
	5. Berhampore	5.11	Weather—cool and cloudy with occasional showers. Heavy rain has impeded ploughing to some extent, and a spell of fine weather is needed. Prospects are, however, very good. Cholera has nearly disappeared, and with the exception of a little fever, no disease is reported.
	6. Rampore Haut	9.12	
	7. Midnapore	0.64	Weather—cool at beginning, sultry at end of week. Sowing of <i>amra</i> has begun.
PRESIDENT DIV.	8. Hooghly	0.25	Weather—unsettled. State and prospects of crops good. Public health good.
	9. Serampur	1.94	
	10. Jehanabad	4.76	
	11. Howrah	0.71	Weather—occasionally cloudy; wind sometimes strong. Lands are being prepared for <i>amra</i> crop. Rainfall will do good.
	12. Odgoberia	0.03	
	13. Central Districts		
	14. Patna	0.46	Weather—unsettled. Strong winds and rain. Early rice and other standing crops promising. Sowing still continues. Public health fairly good.
RAJSHAHY DIV.	15. Nuddea	3.93	Cloudy sky and rain at intervals with light southern breeze. <i>Amra</i> , indigo and jute promising. Excessive rain in parts of the Meherpur sub-division has injured the young rice. General health good. Cow-pox in the Sudder sub-division.
	16. Kushtia	2.76	
	17. Meherpur	8.21	
	18. Chudanga	2.75	
	19. Ranaghat	1.98	
	20. Khoolna	0.48	Weather—sultry and cloudy; wind from south and slight rain. Ploughing going on satisfactorily. <i>Til</i> crop good. Prospects favourable. Public health good.
	21. Jamuna	1.47	Weather—very hot. A good fall of rain in the middle of the week. Paddy plants are thriving. Prospects good. General health fair.
RAJSHAHY DIV.	22. Jhenidah	3.65	
	23. Magurah	2.8	
	24. Narail	0.55	
	25. Bongong	2.38	
	26. Moorshedabad	7.30	Heavy rain at the beginning of the week. <i>Amra</i> is being sown. Jute and sugarcane promising. Public health good.
	27. Lalbagh	9.03	
	28. Kandi	4.06	
RAJSHAHY DIV.	29. Jungipur	12.59	
	30. Dinapore	13.69	Heavy rain has done some damage to <i>badai</i> and jute crops, and has impeded ploughing for winter rice. Slight rise in prices. Rice 23 seers per rupee.
	31. Thakurgaon	10.04	
	32. Rajshahy	5.82	Weather—hot and cloudy. Prospects of crops favourable. Public health good.
	33. Natore	6.94	
	34. Nowgong	12.23	
	35. Rangpur	13.00	Very heavy rain during the week. Some damage done to crops by flooding. Cholera continues in the Kurigram sub-division, but has diminished in the district generally.
RAJSHAHY DIV.	36. Nilphamari	25.4	
	37. Kurigram	11.76	
	38. Gaibandha	15.29	
	39. Bogra	23.08	Weather—rainy and cloudy all the week; a very severe storm on 31st May with 15.69 inches of rain; for the last two days the weather has been close and warm. Sowing in progress. The very heavy and extraordinary rainfall of the 31st has damaged the <i>amra</i> and jute crops, and has also injured bridges and houses. Public health fair.
	40. Sherpur	13.73	
	41. Nowkhilla	10.51	
	42. Fata	2.09	Weather—cloudy and rainy. Prospects of crops good. General health good.
DAHA DIV.	43. Farajunga	13.80	
	44. Darjeeling	3.45	Weather—variable. State and prospect of crops good. Fever prevalent in the Terai.
	45. Jalpore	13.43	Temperature much below the normal. Heavy and constant rain, which cleared off only at the end of the week. Prospects of early rice good, but too much rain has retarded the growth of the young plants to some extent. Jute will not be a good crop this year. Sugarcane promises well. Cholera of a virulent type prevails in the tea gardens east of Jaldacca, but is abating elsewhere.
	46. Eastern Districts.		
	47. Dacca	0.89	Weather—comparatively cool and mostly cloudy. Sowing of <i>amra</i> paddy continues. <i>Kacni</i> and <i>til</i> being out. Recent rain has done much good to standing crops. Rivers rising fast. Public health good.
	48. Manickgunge	1.11	
	49. Munshigunge	1.54	
	50. Naraingunge	2.07	Weather—hot and rainy. Prospects of crops good. Public health good.
DAHA DIV.	51. Farredpore	2.79	
	52. Goulundo	2.74	
	53. Madaripore	1.64	Weather—hot. High wind blew from the east and south-east for about 5 days continuously, no doubt connected with the cyclone in the Bay. Cultivation of <i>amra</i> going on. Some damage done to <i>amra</i> by unusual tides and stormy weather. General health fair.
	54. Bakergunge	1.64	
	55. Mymensingh	6.79	Rain on six days of the week; over 5 inches on the 1st June. Prospects of crops good.
	56. Jamalpur	3.78	
	57. Kishoregunge	1.82	
	58. Attia	1.05	
	59. Netrokona	8.45	



No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL—contd.			
Eastern Districts—contd.			
CHITTAGONG DIVN.	22 Chittagong, June 6, '87	2.72	Weather—hot with occasional showers. Prospects of <i>aus</i> fair. Outturn of spring crops 12 annas. Cholera still reported. Prices stationary.
	23 Noakhali Fenny " 3 "	0.13 1.41	Weather—generally cloudy and high southerly wind. <i>Aus</i> seedlings in <i>chaur</i> lands have been damaged to some extent by salt-water inundation. Transplanting of <i>aus</i> continues. More rain wanted. Public health fair.
	24 Tipperah " 2, '87	0.87 0.62	Weather—at first dry and hot; for the last three days wet and seasonable. At present state of crops everywhere good. Rain much wanted has come at last, but not in sufficient quantity everywhere. Health of the people generally good.
	25 Chittagong Hill May 31, '87	1.60	Weather—excessively hot and cloudy throughout the week. Sowing in <i>joons</i> is nearly finished. Early <i>joons</i> paddy has germinated well. Late rain has improved the condition of sugarcane to a great extent. Public health good.
	Hill Tipperah June 1 "	Nil	Weather—hot. Prospects of sugarcane, chillies and <i>til</i> good. <i>Aus</i> paddy still being sown. <i>Joons</i> doing well. Public health good.
BEHAR.			
PATNA DIVN.	26 Patna, June 4, '87	7.01	Weather—cool during the latter part of the week. Fields are being prepared for <i>bhadoi</i> sowings. Prospects of sugarcane fair. Cholera prevalent in the Behar and Barh sub-divisions.
	27 Gaya " 4 "	2.05	Weather—damp and hot. Rain has done some injury to <i>rubber</i> corn yet on the threshing-ground. It has saved some expense of irrigation to sugarcane planters. Cholera, fever and small-pox yet reported.
	28 Shahabad " 4 "	2.37 5.47 4.75 3.13	Weather—cloudy and rainy up to 1st, since then more settled. Rain has been beneficial to agriculture generally, but injurious to grain still in the threshing-floor. A large number of cattle are reported to have died from indolence of the weather. Cholera reported from Buxar and Bhahua sub-divisions; public health otherwise fair. Prices stationary.
	29 Darbhanga " 4 "	4.08 4.51	Weather—rainy in the beginning of the week. Rainfall of the week immensely benefited the early rice and indigo, though it did some injury to <i>moong</i> , which was almost fit to be cut. <i>Bhadoi</i> has commenced to be sown. Price of common rice averages 20 seers per rupee. Cholera reported from the Madhubani sub-division.
	30 Motaherpore " 4, '87	3.92 10.40 2.71	Recent rain has cooled the weather. Prospects of crops excellent. Early rice, <i>moong</i> , <i>cheena</i> , <i>krani</i> and <i>sama</i> doing well. <i>Bhadoi</i> sowings have begun. Indigo has improved greatly by the rain. Cholera still prevails in the district.
	31 Saran " 4 "	3.69 3.33 2.89	Weather—cloudy with occasional sunshine. Indigo and sugarcane benefited by the rain. <i>Bhadoi</i> sowings commenced. Sporadic cases of cholera and small-pox reported.
	32 Champaran " 4 "	1.81	Weather—cool during first five days; hot for the last two days. Raining today (4th). Rain much beneficial to indigo and to cultivation generally. Sowing of <i>bhadoi</i> and <i>aghani</i> on low lands nearly completed. Prospects of standing crops favourable. Mortality from cholera increasing.
	33 Mounshyr, June 4, '87	8.55 7.30 4.68 4.04	Weather—seasonable; cloudy at times. Sowing of <i>bhadoi</i> crop going on vigorously. Cholera still prevailing, but not generally.
	34 Bhagalpore " 4 "	8.22 11.41 8.32 13.62	Weather—cloudy and cool. Rain has been too much for low lands, and there has been some loss of early rice seedlings. Some loss has also been caused to <i>rubber</i> on threshing-floors. <i>Bhadoi</i> prospects good. Indigo doing well. Cholera abating.
	35 Patna " 4 "	17.40 14.83	Weather—heavy rain till 2nd, since then cloudy. With the exception of indigo which has suffered severely, no crops are known to have suffered much from the rain; however, should the land not have time to recover before further heavy rainfall, the consequences to standing crops are likely to be very serious.
BHAGALPORE DIVN.	36 Maldab " 4, '87	13.00 7.64 9.35	Weather—cloudy and damp; first five days of the week cool; since then hot. More rain threatening. <i>Boro</i> paddy is still being reaped, with good outturn. Rain has improved <i>bhadoi</i> crops, but sunshine is now wanted. The fall has been excessive for the season. Average price of common rice 23½ seers per rupee. Public health good.
	37 Sonthal Pergur, " 4 "	5.05 5.12 16.04 5.88 11.22 20.00	Occasional heavy rain and uncertain weather all the week, specially in the north. <i>Boro dhan</i> in Rajmehul much damaged by the wet. Indigo benefited. Early rice and Indian-corn sowings begun. Ploughing general. Public health fair.
	38 Cuttack, June 3, '87	Nil	Weather—hot and cloudy; high wind continues. Sowing of rice in progress; plants coming out in some places. Common rice 18½ seers per rupee in town. Public health generally good. The cyclone which passed over the coast on the night of the 25th May greatly damaged houses and trees in the coast tract. Loss of cattle is reported from the Kanika Katate. Weather still unsettled in the sea-coast tract.
	39 Pooree " 2 "	1.33 1.57	Weather—stormy. Sowing of <i>esrad</i> crop going on. Miscellaneous crops doing well. Common rice 24 seers 6 chittacks per rupee in the Sudder sub-division, and 22 seers 13 chittacks in the Kheorda sub-division. Cases of cholera and small-pox are reported from the mafussil.
	40 Balasore " 3 "	5.90	Weather—cloudy. Ploughing and sowing of paddy were stopped for some days owing to rain-water in the fields. The cyclone of the 25th May caused more or less damage throughout the district. Thatched roofs of houses were blown off, and a few trees uprooted. Enquiries are being made as to the extent of damage in the mafussil. Public health generally good.
ORISSA.			
UNDA DIVN.	38 Cuttack, June 3, '87	Nil	Weather—hot and cloudy; high wind continues. Sowing of rice in progress; plants coming out in some places. Common rice 18½ seers per rupee in town. Public health generally good. The cyclone which passed over the coast on the night of the 25th May greatly damaged houses and trees in the coast tract. Loss of cattle is reported from the Kanika Katate. Weather still unsettled in the sea-coast tract.
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No.	District and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospect of the crops, and state of health at date.
<b>CHOTA NAGPUR.</b>			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, June 3, '87	Nil	Weather—cloudy and unsettled. Sowing of paddy has commenced. Sugarcane doing well. General health good.
42	Lohardugga Palamow        „ 4 „	0.41 5.62	Weather—hot and cloudy. Rain daily expected. Heavy rain in the Palamow sub-division accompanied by a very strong wind. Ploughing is vigorously going on. Prices continue as before. Cases of small-pox and cholera reported; public health otherwise good.
43	Singbhoom        „ 3 „	2.46	Weather—cloudy with occasional storms. Still hot. Ploughing and sowing are being actively carried on. Cholera has appeared in Chakradharpore; nine deaths reported. Cholera in Chybassa has abated.
44	Manbhoom Govindpur        „ 4 „	3.51 3.79	Weather—stormy with a good deal of rain. Sugarcane doing well. Late rain has done good to paddy cultivation. General prospects of crops good. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 7th June 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

# STATEMENT SHOWING THE STOCKS OF RICE IN AND AROUND CALCUTTA.

NAMES OF MARKS.	STOCK IN HAND AS COMPILED BY—												
	1st week of June 1886.	1st week of July 1886.	1st week of August 1886.	1st week of Sept. 1886.	1st week of Oct. 1886.	1st week of Nov. 1886.	1st week of Dec. 1886.	1st week of Jan. 1887.	1st week of Feb. 1887.	1st week of Mar. 1887.	1st week of April 1887.	1st week of May 1887.	1st week of June 1887.
Bulapahato	Mds. 13,49,000	Mds. 8,43,000	Mds. 8,65,000	Mds. 8,06,800	Mds. 5,60,000	Mds. 3,81,900	Mds. 2,11,000	Mds. 2,09,000	Mds. 4,11,500	Mds. 4,73,000	Mds. 14,61,000	Mds. 18,47,000	Mds. 16,36,700
Dakshina	" 81,900	" 68,700	" 57,500	" 50,600	" 54,600	" 64,500	" 29,500	" 47,700	" 52,900	" 61,300	" 73,400	" 66,900	" 42,000
Chitpura, Calcutta, Coomra, Swat, Bithora, and Culp Ghat	" 6,31,000	" 8,35,500	" 8,65,900	" 8,60,000	" 8,37,400	" 6,25,100	" 8,48,100	" 7,75,000	" 7,50,700	" 8,32,700	" 7,67,100	" 6,18,300	" 6,18,000
Pithurichhat, Poohe, and Jorabara.	" 5,400	" 4,800	" 3,700	" 3,800	" 4,000	" 5,000	" 4,000	" 5,000	" 5,000	" 4,500	" 5,300	" 5,000	" 3,000
Pedpura, Uthalia, Kaldipora, and Moonhiganga.	" 1,06,400	" 1,31,800	" 1,33,400	" 1,33,000	" 1,32,300	" 1,18,500	" 1,40,400	" 1,23,900	" 1,55,400	" 1,59,500	" 1,79,900	" 2,56,000	" 1,38,300
11 Minor Bazar (estimated) ..	" 1,40,000	" 1,40,000	" 1,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000	" 2,40,000
Other retail shops, 2,129 in number (estimated).	" 2,10,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000	" 2,60,000
Radhyabati, Newabunga, Bhudumbar, and Chaudr-nagar.	" 14,700	" 18,477	" 36,752	" 36,460	" 34,114	" 7,200	" 5,093	" 6,130	" 6,130	" 6,245	" 6,142	" 6,448	" 6,176
Total ..	22,02,100	20,07,489	19,30,077	17,74,532	19,02,250	17,08,314	19,35,000	17,37,482	18,34,038	17,54,743	20,01,742	26,40,646	23,35,475
On Railway premises on both sides of the river.	6,900 (on 3rd June 86.)	3,750 (on 3rd July 86.)	3,336 (on 3rd August 86.)	11,011 (on 4th September 86.)	8,636 (on 2nd Oct. 1886.)	11,604 (on 4th Nov. 86.)	7,418 (on 4th Dec. 86.)	21,070 (on 4th Jan. 87.)	14,556 (on 5th Feb. 87.)	17,580 (on 4th Mar. 87.)	9,982 (on 4th April 1887.)	19,016 (on 4th May 1887.)	9,884 (on 4th June 87.)
By Port Com-missioners' re-turns.	18,935 (1st to 3rd July 1886.)	19,187 (1st to 3rd July 1886.)	26,408 (1st to 3rd August 86.)	35,157 (1st to 3rd September 86.)	2,114 (1st to 3rd Oct. 1886.)	20,210 (1st to 3rd Nov. 86.)	37,275 (1st to 3rd Dec. 86.)	75,353 (2nd to 4th Jan. 1887.)	81,651 (1st to 3rd Feb. 1887.)	78,300 (1st to 3rd Mar. 1887.)	54,857 (1st to 3rd April 1887.)	15,310 (1st to 3rd May 1887.)	18,500 (1st to 3rd June 1887.)
By Canal returns	19,117 (1st to 3rd June 86.)	24,255 (1st to 3rd July 1886.)	10,735 (1st to 3rd August 86.)	36,390 (1st to 3rd September 86.)	44,319 (1st to 3rd October 86.)	24,281 (1st to 3rd Nov. 86.)	21,411 (1st to 3rd Dec. 86.)	76,253 (2nd to 4th Jan. 1887.)	1,51,101 (1st to 3rd Feb. 1887.)	1,77,450 (1st to 3rd March 1887.)	91,375 (1st to 3rd April 1887.)	56,426 (1st to 3rd May 1887.)	17,530 (1st to 3rd June 1887.)
Grand Total of Stocks ..	23,45,561	21,74,681	19,85,913	18,67,000	19,76,941	17,64,018	19,97,597	19,18,048	21,42,432	20,30,519	20,67,657	27,17,307	23,75,360
Probable stock available for exportation by sea.	146 lakhs	104 lakhs	84 lakhs	9 lakhs	94 lakhs	74 lakhs	94 lakhs	98 lakhs	11 lakhs	104 lakhs	80 lakhs	106 lakhs	124 lakhs

P. NOLAN,  
*Secretary to the Govt. of Bengal.*

STATISTICAL DEPARTMENT.  
The 6th June 1887.

PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE  
DISTRICTS OF BENGAL DURING THE fortnight ending the  
31st MAY 1887.



## PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			LOWAR OR CHOLUR (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
		■ Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.
1	Burdwan	14 0	14 0	18 0	10 0	40 0	27 8	19 8	19 8	15 0	24 0	25 6	18 12	...	...	...	...	...	...
2	Bankura	15 12	15 8	18 8	20 0	20 0	21 0	19 0	19 0	19 8	24 12	23 12	22 0	...	...	...	...	...	...
3	Hooghly	18 12	20 0	15 0	...	...	...	...	18 12	26 0	24 0	24 0	19 8	...	...	...	...	...	...
4	Midnapore	17 8	17 8	16 0	...	...	...	20 0	20 0	16 0	26 0	25 0	22 0	...	...	...	...	...	...
5	Hooghly	16 0	15 0	16 0	...	...	...	10 0	10 0	10 0	18 0	18 0	14 0	...	...	...	...	...	...
	Howrah	12 0	12 0	16 0	...	...	...	13 4	13 8	8 0	21 0	21 0	16 0	...	...	...	...	...	...
Central Districts.																			
		■ Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.
6	Calcutta	16 0	16 0	16 0	20 15	21 0	21 6	9 6	9 6	8 4	19 2	19 4	16 0	21 0	21 0	19 0	...	...	...
7	24-Pargannas	14 0	14 0	18 4	26 8	28 8	20 0	8 0	8 0	8 0	18 4	18 4	13 4	...	...	...	...	...	...
8	Nudda	16 0	16 0	17 4	32 0	35 8	26 0	10 0	16 0	14 0	20 8	21 0	15 2	...	...	...	...	...	...
9	Khoolna	...	...	...	...	...	...	18 0	18 0	14 0	23 0	23 0	17 0	...	...	...	...	...	...
10	Jessore	16 0	16 0	13 4	...	...	...	17 0	17 0	18 0	22 0	22 0	16 12	...	...	...	...	...	...
11	Moorshedabad	16 0	16 0	20 0	...	...	...	16 0	16 0	13 4	...	31 0	17 0	...	...	...	...	...	...
12	Dinapore	13 12	13 12	16 8	22 0	22 0	17 8	20 0	20 0	17 0	23 0	25 0	20 4	...	...	...	...	...	...
13	Rajshahye	18 0	18 0	19 0	45 0	45 0	32 0	18 0	18 12	16 4	19 8	21 0	16 8	...	...	...	...	...	...
14	Rangpore	20 0	22 8	20 0	...	...	...	22 8	22 8	16 0	24 10	24 10	20 0	...	...	...	...	...	...
15	Bogra	18 8	16 0	19 0	...	...	...	13 8	13 8	18 8	24 0	24 0	22 8	...	...	...	...	...	...
16	Patna	20 0	20 0	23 8	...	...	...	8 0	8 0	7 14	21 0	24 0	18 8	...	...	...	...	...	...
17	Darjeeling	9 0	...	11 0	10 0	11 0	8 0	8 0	8 0	8 0	14 0	14 0	13 0	...	...	...	...	...	...
18	Jalpigore	11 0	11 0	13 4	20 0	20 0	20 0	13 0	13 0	16 0	22 0	24 0	22 0	...	...	...	...	...	...
Eastern Districts.																			
		■ Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.
19	Dacca	14 0	13 0	10 0	23 0	23 0	26 0	17 0	17 0	13 0	19 0	19 0	16 0	...	...	...	...	...	...
20	Faridpore	26 0	26 0	24 0	32 0	32 0	26 0	18 0	18 0	16 0	20 0	20 0	17 12	...	...	...	...	...	...
21	Backergunge	...	...	...	...	...	...	17 0	18 0	18 8	31 0	19 0	16 0	...	...	...	...	...	...
22	Mymensingh	11 0	12 0	13 4	...	...	...	...	12 4	18 0	16 4	17 0	31 0	...	...	...	...	...	...

- A In sub-divisions retail prices of salt per rupee were:—Chins 12 seers, Cutwa 18 seers, and Rangpore 12½ seers.  
 B In Dacca sub-division retail price of salt 12 seers per rupee.  
 C In Rangpore sub-division retail price of salt 12 seers per rupee.  
 D In sub-divisions retail prices of salt per rupee were:—Ghatal 12½ seers, Tamlook 11 seers, and Contal 12½ seers.  
 E In sub-divisions retail prices of salt per rupee were:—Baranpore 13 seers and Jehanabad 12½ seers.  
 F(1) In sub-divisions retail prices of salt per rupee were:—Baranpore 12 seers, Hussainhat 10 seers, Diamond Harbour (at Mughalhat) 10½ seers, Barrackpore 12½ seers, and Dum-Dum 11 seers.  
 F(2) In sub-divisions retail prices of salt per rupee were:—Knoctea and Meherpore 12 seers, Choudanga 11½ seers, and Kausghat 10½ seers.  
 G In Bakhtia and Baghat sub-divisions retail price of salt 11 seers per rupee.  
 H In sub-divisions retail prices of salt per rupee were:—Magoora 10½ seers, Narail 12 seers, Bongaib 13 seers.  
 I In sub-divisions retail prices of salt per rupee were:—Lalbagh 12 seers and Jungipore 12½ seers.

SEERS OF 80 TOLAH.

BARRA OR CUMBU. ( <i>Pennisetum typho-</i> <i>loides</i> .)			MARVA OR RAGI. ( <i>Echinochloa</i> <i>Coracana</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

9.	Ch.	H.	Ch.	H.	Ch.	H.	Ch.	H.	Ch.	H.	Ch.
101		101		101		101		101		101	
102		102		102		102		102		102	
103		103		103		103		103		103	
104		104		104		104		104		104	
105		105		105		105		105		105	
106		106		106		106		106		106	
107		107		107		107		107		107	
108		108		108		108		108		108	
109		109		109		109		109		109	

10	4	136	4	136	0	136	0	136	0	136	0
111		111		111		111		111		111	
112		112		112		112		112		112	
113		113		113		113		113		113	
114		114		114		114		114		114	
115		115		115		115		115		115	
116		116		116		116		116		116	
117		117		117		117		117		117	
118		118		118		118		118		118	
119		119		119		119		119		119	
120		120		120		120		120		120	
121		121		121		121		121		121	
122		122		122		122		122		122	
123		123		123		123		123		123	
124		124		124		124		124		124	
125		125		125		125		125		125	
126		126		126		126		126		126	
127		127		127		127		127		127	
128		128		128		128		128		128	
129		129		129		129		129		129	
130		130		130		130		130		130	
131		131		131		131		131		131	
132		132		132		132		132		132	
133		133		133		133		133		133	
134		134		134		134		134		134	
135		135		135		135		135		135	
136		136		136		136		136		136	
137		137		137		137		137		137	
138		138		138		138		138		138	
139		139		139		139		139		139	
140		140		140		140		140		140	
141		141		141		141		141		141	
142		142		142		142		142		142	
143		143		143		143		143		143	
144		144		144		144		144		144	
145		145		145		145		145		145	
146		146		146		146		146		146	
147		147		147		147		147		147	
148		148		148		148		148		148	
149		149		149		149		149		149	
150		150		150		150		150		150	



## Districts of Bengal during the Fortnight ending the 31st May 1887.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE (Zea Mays.)			ARAR OR TRUR. CADJAN PEA. (Cajanus indicus.)			SISWOOD.			SALT.			SALT.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
BENGAL.																Western Districts.					
S. Ch.	S. Ch.	H. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Hurdwan, Bankoora, Beerbhoom, Midnapore, Hooghly, Howrah.				
...	...	...	26	24	30	12	120	0 120	0 120	0 13	5 13	13	5 13	2 14	0 2 14	0 2 15					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...					
Central Districts.																Calcutta, 21-Pargannas, Nuddea, Khoolna, Jessore, Moorshedabad, Dinagapore, Rajshahye, Rangpore, Rogra, Pabna, Darjeeling, Jalpigore.					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
Eastern Districts.																Dacca, Farrukpore, Backergunge, Mymensingh.					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		...				

J In Thakurgaon sub-division retail price of salt 10 seers per rupee.

K In Natore and Nowgong sub-divisions retail price of salt 12 seers per rupee.

L In sub-divisions retail prices of salt per rupee were:—Nilphamari 12 seers and Kurigram and Gaibandha 12 seers.

M In Barisal sub-division retail price of salt 13 seers per rupee.

N At Bhaguri retail price of salt 10 seers per rupee.

O Retail price of salt at Ballarotta in Ahpore sub-division 10 seers per rupee.

P In sub-divisions retail prices of salt per rupee were:—Manickganj 11 seers, Moonsheganj 10½ seers, and Narailganj 12½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Gauland 12 seers and Madaripore 12½ seers.

R In sub-divisions retail prices of salt per rupee were:—Patuakhali 9½ seers, Farookpore 11 seers, and Bhola 10½ seers.

S In sub-divisions retail prices of salt per rupee were:—Kishoreganj 9½ seers, Attea 12 seers, Jamalpore 10½ seers, Shantapore 10 seers, and Sitohra 9 seers.



## PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU, (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts.—Concluded.																			
22	Chittagong ...	16 0	16 0	16 0	...	...	...	11 8	12 0	11 8	16 14	16 8	14 0	...	...	...	...	...	...
23	Noakhelly ...	...	...	...	...	...	...	19 0	21 0	14 0	21 0	23 0	16 0	...	...	...	...	...	...
24	Tipperah ...	12 1	11 7	12 4	...	...	...	15 11	16 14	15 0	18 12	18 12	16 12	...	...	...	...	...	...
25	Chittagong Hill Tracts. Hill Tipperah ...	...	...	...	...	...	...	11 7	13 5	11 0	13 5	15 0	12 0	...	...	...	...	...	...
BEHAR.																			
26	Patna ...	10 0	20 0	21 0	32 0	33 0	28 0	11 8	11 8	11 8	14 0	24 0	17 0	26 0	25 0	18 0	...	...	...
27	Gya ...	17 8	17 0	16 0	35 0	35 0	30 0	11 0	9 0	9 0	18 0	18 8	15 8	15 0	22 0	22 8	...	...	...
28	Shahabad ...	16 0	16 0	16 0	28 0	27 8	28 0	8 0	10 0	8 0	16 0	17 8	18 0	...	...	...	...	...	...
29	Darbhanga ...	18 11	18 11	10 0	33 0	33 0	28 0	13 0	13 8	10 0	20 14	20 14	16 8	...	...	...	...	...	...
30	Mosulbore ...	20 0	20 0	20 0	30 0	30 8	30 0	12 0	12 0	12 0	22 0	22 0	16 0	...	...	...	...	...	...
31	Baran ...	16 8	16 8	16 0	29 0	29 0	28 0	8 0	8 0	7 8	21 0	21 8	19 0	...	...	...	...	...	...
32	Chumpran ...	21 0	21 0	21 0	35 0	35 0	32 0	7 8	7 8	10 0	16 0	17 8	16 0	...	...	...	...	...	...
33	Monghyr ...	18 14	19 10	22 0	30 5	33 8	27 12	14 0	13 14	13 1	17 14	17 14	15 12	21 0	21 0	24 8	...	...	...
34	Bhagalpore ...	16 11	17 10	21 8	37 14	33 11	30 5	17 10	20 8	15 2	20 8	24 0	17 10	...	...	...	...	...	...
35	Purneah ...	20 0	20 0	20 0	...	...	...	23 0	23 0	18 0	22 0	21 0	21 0	...	...	...	...	...	...
36	Maldah ...	18 0	18 8	21 0	...	...	...	14 0	13 0	10 0	21 0	25 0	21 0	...	...	...	...	...	...
37	Southal Pergah ...	14 0	14 0	16 0	...	...	...	18 0	18 0	16 0	20 0	27 0	23 0	...	...	...	...	...	...
ORISSA.																			
38	Cuttack ...	14 7	14 7	19 11	...	...	...	13 2	13 2	10 8	18 5	18 5	17 1	...	...	...	...	...	...
39	Pooree ...	10 8	11 13	15 12	...	...	...	14 7	15 12	14 7	22 5	23 10	19 11	...	...	...	...	...	...
40	Balasore ...	16 0	18 0	18 0	13 0	13 0	13 0	14 0	14 0	13 0	27 0	28 0	24 0	...	...	...	...	...	...
CHOTA NAGPORE.																			
South-Western Frontier Agency.																			
41	Hazaribagh ...	10 0	10 0	17 8	22 0	22 0	24 0	9 8	10 0	10 0	19 0	19 0	18 0	...	...	...	...	...	...
42	Lohardugga ...	24 0	24 0	19 0	30 0	33 0	32 0	15 0	19 0	15 0	23 0	23 0	21 0	...	...	...	...	...	...
43	Singbhoom ...	20 0	24 0	24 0	32 0	33 0	32 0	20 0	26 0	24 0	24 0	23 0	23 0	...	...	...	...	...	...
44	Maulbhoom ...	18 0	18 0	17 0	40 0	40 0	32 0	18 0	18 0	15 0	26 0	30 0	22 0	...	...	...	...	...	...

T In Cox's Bazar sub-division retail price of salt 19 seers per rupee.

U In Fenny sub-division (at Panchgatchia) retail price of salt 10 seers per rupee.

V In sub-divisions retail prices of salt per rupee were:—Brahmunberiah 12 seers and Chandpore 11½ seers.

W In sub-divisions retail prices of salt per rupee were:—Buxar 12½ seers and Samseram and Bhaboon 11½ seers.

X In Madhubani and Tujpore sub-divisions retail price of salt 19 seers per rupee.

Y In sub-divisions retail prices of salt per rupee were:—Hajepore 12 seers and Bactamarkee 11 seers.

Z In sub-divisions retail prices of salt per rupee were:—Buxar 12 seers and Gopalgunge 11½ seers.

CALCUTTA,  
The 7th June 1887.

ERS OF 80 TOLANE.

PAID OR COMED. Minimum (typo- idum.)				MAINT OR RENT. (Electric Corporation.)			
Next preceding return.		Corresponding return of last year.		Next preceding return.		Corresponding return of last year.	
Yr.	Ch.	Yr.	Ch.	Yr.	Ch.	Yr.	Ch.
1891	1	1892	1	1893	1	1894	1
1895	1	1896	1	1897	1	1898	1
1899	1	1900	1	1901	1	1902	1
1903	1	1904	1	1905	1	1906	1
1907	1	1908	1	1909	1	1910	1
1911	1	1912	1	1913	1	1914	1
1915	1	1916	1	1917	1	1918	1
1919	1	1920	1	1921	1	1922	1
1923	1	1924	1	1925	1	1926	1
1927	1	1928	1	1929	1	1930	1
1931	1	1932	1	1933	1	1934	1
1935	1	1936	1	1937	1	1938	1
1939	1	1940	1	1941	1	1942	1
1943	1	1944	1	1945	1	1946	1
1947	1	1948	1	1949	1	1950	1
1951	1	1952	1	1953	1	1954	1
1955	1	1956	1	1957	1	1958	1
1959	1	1960	1	1961	1	1962	1
1963	1	1964	1	1965	1	1966	1
1967	1	1968	1	1969	1	1970	1
1971	1	1972	1	1973	1	1974	1
1975	1	1976	1	1977	1	1978	1
1979	1	1980	1	1981	1	1982	1
1983	1	1984	1	1985	1	1986	1
1987	1	1988	1	1989	1	1990	1
1991	1	1992	1	1993	1	1994	1
1995	1	1996	1	1997	1	1998	1
1999	1	2000	1	2001	1	2002	1
2003	1	2004	1	2005	1	2006	1
2007	1	2008	1	2009	1	2010	1
2011	1	2012	1	2013	1	2014	1
2015	1	2016	1	2017	1	2018	1
2019	1	2020	1	2021	1	2022	1
2023	1	2024	1	2025	1	2026	1
2027	1	2028	1	2029	1	2030	1
2031	1	2032	1	2033	1	2034	1
2035	1	2036	1	2037	1	2038	1
2039	1	2040	1	2041	1	2042	1
2043	1	2044	1	2045	1	2046	1
2047	1	2048	1	2049	1	2050	1
2051	1	2052	1	2053	1	2054	1
2055	1	2056	1	2057	1	2058	1
2059	1	2060	1	2061	1	2062	1
2063	1	2064	1	2065	1	2066	1
2067	1	2068	1	2069	1	2070	1
2071	1	2072	1	2073	1	2074	1
2075	1	2076	1	2077	1	2078	1
2079	1	2080	1	2081	1	2082	1
2083	1	2084	1	2085	1	2086	1
2087	1	2088	1	2089	1	2090	1
2091	1	2092	1	2093	1	2094	1
2095	1	2096	1	2097	1	2098	1
2099	1	2100	1	2101	1	2102	1
2103	1	2104	1	2105	1	2106	1
2107	1	2108	1	2109	1	2110	1
2111	1	2112	1	2113	1	2114	1
2115	1	2116	1	2117	1	2118	1
2119	1	2120	1	2121	1	2122	1
2123	1	2124	1	2125	1	2126	1
2127	1	2128	1	2129	1	2130	1
2131	1	2132	1	2133	1	2134	1
2135	1	2136	1	2137	1	2138	1
2139	1	2140	1	2141	1	2142	1
2143	1	2144	1	2145	1	2146	1
2147	1	2148	1	2149	1	2150	1
2151	1	2152	1	2153	1	2154	1
2155	1	2156	1	2157	1	2158	1
2159	1	2160	1	2161	1	2162	1
2163	1	2164	1	2165	1	2166	1
2167	1	2168	1	2169	1	2170	1
2171	1	2172	1	2173	1	2174	1
2175	1	2176	1	2177	1	2178	1
2179	1	2180	1	2181	1	2182	1
2183	1	2184	1	2185	1	2186	1
2187	1	2188	1	2189	1	2190	1
2191	1	2192	1	2193	1	2194	1
2195	1	2196	1	2197	1	2198	1
2199	1	2200	1	2201	1	2202	1
2203	1	2204	1	2205	1	2206	1
2207	1	2208	1	2209	1	2210	1
2211	1	2212	1	2213	1	2214	1
2215	1	2216	1	2217	1	2218	1
2219	1	2220	1	2221	1	2222	1
2223	1	2224	1	2225	1	2226	1
2227	1	2228	1	2229	1	2230	1
2231	1	2232	1	2233	1	2234	1
2235	1	2236	1	2237	1	2238	1
2239	1	2240	1	2241	1	2242	1
2243	1	2244	1	2245	1	2246	1
2247	1	2248	1	2249	1	2250	1
2251	1	2252	1	2253	1	2254	1
2255	1	2256	1	2257	1	2258	1
2259	1	2260	1	2261	1	2262	1
2263	1	2264	1	2265	1	2266	1
2267	1	2268	1	2269	1	2270	1
2271	1	2272	1	2273	1	2274	1
2275	1	2276	1	2277	1	2278	1
2279	1	2280	1	2281	1	2282	1
2283	1	2284	1	2285	1	2286	1
2287	1	2288	1	2289	1	2290	1
2291	1	2292	1	2293	1	2294	1
2295	1	2296	1	2297	1	2298	1
2299	1	2300	1	2301	1	2302	1
2303	1	2304	1	2305	1	2306	1
2307	1	2308	1	2309	1	2310	1
2311	1	2312	1	2313	1	2314	1
2315	1	2316	1	2317	1	2318	1
2319	1	2320	1	2321	1	2322	1
2323	1	2324	1	2325	1	2326	1
2327	1	2328	1	2329	1	2330	1
2331	1	2332	1	2333	1	2334	1
2335	1	2336	1	2337	1	2338	1
2339	1	2340	1	2341	1	2342	1
2343	1	2344	1	2345	1	2346	1
2347	1	2348	1	2349	1	2350	1
2351	1	2352	1	2353	1	2354	1
2355	1	2356	1	2357	1	2358	1
2359	1	2360	1	2361	1	2362	1
2363	1	2364	1	2365	1	2366	1
2367	1	2368	1	2369	1	2370	1
2371	1	2372	1	2373	1	2374	1
2375	1	2376	1	2377	1	2378	1
2379	1	2380	1	2381	1	2382	1
2383	1	2384	1	2385	1	2386	1
2387	1	2388	1	2389	1	2390	1
2391	1	2392	1	2393	1	2394	1
2395	1	2396	1	2397	1	2398	1
2399	1	2400	1	2401	1	2402	1
2403	1	2404	1	2405	1	2406	1
2407	1	2408	1	2409	1	2410	1
2411	1	2412	1	2413	1	2414	1
2415	1	2416	1	2417	1	2418	1
2419	1	2420	1	2421	1	2422	1
2423	1	2424	1	2425	1	2426	1
2427	1	2428	1	2429	1	2430	1
2431	1	2432	1	2433	1	2434	1
2435	1	2436	1	2437	1	2438	1
2439	1	2440	1	2441	1	2442	1
2443	1	2444	1	2445	1	2446	1
2447	1	2448	1	2449	1	2450	1
2451	1	2452	1	2453	1	2454	1
2455	1	2456	1	2457	1	2458	1
2459	1	2460	1	2461	1	2462	1
2463	1	2464	1	2465	1	2466	1
2467	1	2468	1	2469	1	2470	1
2471	1	2472	1	2473	1	2474	1
2475	1	2476	1	2477	1	2478	1
2479	1	2480	1	2481	1	2482	1
2483	1	2484	1	2485	1	2486	1
2487	1	2488	1	2489	1	2490	1
2491	1	2492	1	2493	1	2494	1
2495	1	2496	1	2497	1	2498	1
2499	1	2500	1	2501	1	2502	1
2503	1	2504	1	2505	1	2506	1
2507	1	2508	1	2509	1	2510	1
2511	1	2512	1	2513	1	2514	1
2515	1	2516	1	2517	1	2518	1
2519	1	2520	1	2521	1	2522	1
2523	1	2524	1	2525	1	2526	1
2527	1	2528	1	2529	1	2530	1
2531	1	2532	1	2533	1	2534	1
2535	1	2536	1	2537	1	2538	1
2539	1	2540	1	2541	1	2542	1
2543	1	2544	1	2545	1	2546	1
2547	1	2548	1	2549	1	2550	1
2551	1	2552	1	2553	1	2554	1
2555	1	2556	1	2557	1	2558	1
2559	1	2560	1	2561	1	2562	1
2563	1	2564	1	2565	1	2566	1
2567	1	2568	1	2569	1	2570	1
2571	1	2572	1	2573	1	2574	1
2575	1	2576	1	2577	1	2578	1
2579	1	2580	1	2581	1	2582	1
2583	1	2584	1	2585	1	2586	1
2587	1	2588	1	2589	1	2590	1
2591	1	2592	1	2593	1	2594	1
2595	1	2596	1	2597	1	2598	1
2599	1	2600	1	2601	1	2602	1
2603	1	2604	1	2605	1	2606	1
2607	1	2608	1	2609	1	2610	1
2611	1	2612	1	2613	1	2614	1
2615	1	2616	1	2617	1	2618	1
2619	1	2620	1	2621	1	2622	1
2623	1	2624	1	2625	1	2626	1
2627	1	2628	1	2629	1	2630	1
2631	1	2632	1	2633	1	2634	1
2635	1	2636	1	2637	1	2638	1
2639	1	2640	1	2641	1	2642	1
2643	1	2644	1	2645	1	2646	1
2647	1	2648	1	2649	1	2650	1
2651	1	2652	1	2653	1	2654	

KARSTEN ON KARSTEN  
ITALIAN WILLOW.  
(Saxaria Helles.)

GRAM. (KARSTEN)  
ORHOL. KARSTEN  
ON SCRAPEL.  
(Cicor aridum)

Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.
-----------------	------------------------	------------------------------------	-----------------	------------------------

1.	Ch. B.	Ch. S.	Ch. S.	Ch. S.	Ch. S.
...	...	...	11 0	11 0	...
...	...	...	12 0	12 0	...
...	...	...	14 0	13 6	...
...	...	...	13 0	12 0	...

24 0	24 0	20 0	28 0	35 0	...
16 0	17 0	16 0	26 0	27 0	...
...	...	...	28 0	29 0	...
...	...	18 0	27 6	27 6	...
...	...	...	28 0	24 0	...
...	14 0	16 0	26 0	27 0	...
...	...	...	28 0	26 0	...
27 12	28 12	21 0	30 8	30 8	...
...	...	...	27 12	27 12	...
16 0	...	...	30 0	24 0	...
...	...	...	28 0	24 0	...
...	...	...	28 0	21 0	...

...	...	...	17 1	13	...
...	...	...	18 2	13	...
...	...	...	16 0	16	...

...	...	...	21 0	13	...
...	...	...	20 0	20	...
...	...	...	16 0	14	...
...	...	...	20 0	13	...

## Districts of Bengal during the Fortnight ending 31st May 1887—(Concluded)

												WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE. (See Maps.)			ARHAR OR TUR. CANDAR PEA. (Cajanus indicus.)			FIRKWOOD.			SALT.			SALT.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Ru. A. P.	Ru. A. P.	Ru. A. P.				
...	...	...	9 0	10 0	10 0	80 0	75 0	100 0	T 12 0	13 0	12 0	3 0	0 5	0 0	3 1 0	Chittagong.		
...	...	...	...	...	...	...	...	...	U 10 0	9 0	11 0	3 8	0 3	12 0	3 8 0	Nashchali.		
...	...	...	10 10	10 10	8 0	...	...	...	V 11 8	12 0	13 0	3 6	0 3	5 0	3 3 0	Tripurah.		
...	...	...	...	...	...	850	850	0 350	8 0	8 0	8 0	4 8	0 4	8 0	4 8 0	Chittagong Hill Tracts.		
...	...	...	15 0	16 0	16 0	...	...	...	11 0	11 0	11 0	3 4	0 3	4 0	3 4 0	Hill Tripurah.		
BEHAR.																		
33 0	33 0	28 0	28 0	28 0	27 0	...	...	...	11 8	11 8	11 8	3 1	8 3	1 0	3 1 6	Patna.		
...	...	...	21 0	22 0	23 0	100 0	140 0	200 0	11 0	11 0	11 0	3 5	0 3	5 0	3 5 0	Gaya.		
...	...	...	18 0	16 0	18 0	100 0	100 0	100 0	W 12 0	12 0	12 8	3 5	0 3	5 0	3 2 0	Shahabad.		
30 0	30 13	25 0	30 8	23 1	20 0	300 0	370 0	180 0	X 11 8	11 8	11 8	3 4	0 3	4 0	3 4 0	Darbhanga.		
30 0	30 0	27 8	22 0	21 0	22 8	140 0	140 0	140 0	Y 12 0	12 0	12 0	3 4	0 3	4 0	3 5 0	Muzafferpore.		
28 8	29 0	26 0	28 0	27 0	27 4	180 0	180 0	180 0	Z 12 0	11 8	12 0	3 4	0 3	5 0	3 1 0	Saran.		
32 0	30 0	28 0	22 0	21 0	27 0	...	...	...	Z1 11 8	11 8	12 4	3 7	0 3	7 0	3 2 0	Chhapra.		
49 0	49 0	31 0	21 0	21 0	21 0	126 0	126 0	126 0	Z2 12 0	12 8	13 2	3 0	0 3	0 0	2 14 8	Monghyr.		
35 6	35 6	25 4	23 10	22 11	20 8	151 8	171 0	170 12	Z3 12 10	12 10	13 10	3 3	0 3	8 0	3 1 0	Bhagalpore.		
...	...	...	16 0	12 0	15 0	128 0	128 0	128 0	Z4 10 8	10 8	10 0	3 6	0 3	8 0	3 9 0	Farrukh.		
...	...	...	...	...	...	120 0	160 0	100 0	11 0	11 8	11 8	3 6	0 3	5 0	3 8 0	Mahesh.		
32 0	40 0	28 0	20 0	27 0	23 0	200 0	300 0	200 0	Z5 11 8	11 8	11 8	3 4	0 3	4 0	3 7 0	South-Western.		
ORISSA.																		
...	...	...	...	...	...	...	...	...	14 0	14 0	14 0	3 12	0 2	12 0	2 12 0	Cuttack.		
...	...	...	14 7	15 12	18 6	70 0	70 0	80 0	14 7	14 7	14 7	3 10	0 2	10 0	2 10 0	Purpos.		
...	...	...	11 0	11 0	14 0	100 0	100 0	100 0	Z6 10 8	10 8	9 8	3 5	0 3	6 0	3 14 0	Balasore.		
CHOTA NAGPUR.																		
29 0	29 0	21 0	21 0	21 0	20 0	320 0	320 0	320 0	Z7 10 0	10 0	10 8	3 8	0 3	8 0	3 7 3	Chandrapur.		
...	22 0	18 0	28 0	29 0	18 0	130 0	130 0	130 0	10 0	10 0	9 8	3 14	0 3	12 0	4 3 0	Lohardugga.		
...	...	...	30 0	24 0	21 0	320 0	320 0	320 0	8 8	9 0	9 0	4 0	0 4	0 0	4 0 0	Singbhum.		
...	...	...	28 0	24 0	18 0	340 0	340 0	340 0	Z8 10 10	10 10	11 10	3 8	0 3	8 0	3 6 8	Manikpur.		

- 21 In Bottish sub-division retail price of salt 11½ seers per rupee.  
 22 In Buxar and Tazew sub-division retail price of salt 11 seers per rupee.  
 23 In sub-division retail prices of salt per rupee were:—Buxar and Muddhpur 11 seers and Sonpur 10 seers.  
 24 In sub-division retail prices of salt per rupee were:—Kusmanganj 10 seers and Arravah (at Kusmanganj) 11 seers.  
 25 In sub-division retail prices of salt per rupee were:—Rajmahal 12 seers, Gidda 11 seers.  
 26 In Boudhuck sub-division retail price of salt 9½ seers per rupee.  
 27 In Ghoda sub-division (at Khamsabha) retail price of salt 12 seers per rupee.  
 28 In Govindpur sub-division retail price of salt 12 seers per rupee.

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 P. NOLAN,  
 Secy. to the Govt. of Bengal.



## PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARKTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.			Present return.			Present return.			Present return.		
		Next preceding return.	Corresponding return of last year.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Corresponding return of last year.	Next preceding return.	Corresponding return of last year.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta	3 0 0	2 9 3	3 0 0	2 0 0	1 4 0	1 10 0	3 4 0	3 4 0	4 0 0	1 13 0	1 14 0	2 4 0
2	Berangunge	...	...	...	...	...	...	3 10 0	3 12 0	4 0 0	1 13 0	1 12 0	2 0 0
3	Dacca	2 12 0	3 0 0	2 7 0	1 11 0	1 11 0	1 8 0	2 4 0	2 6 0	2 14 0	2 0 0	2 0 0	2 7 0
4	Narnagunge	...	...	...	...	...	...	2 4 0	2 6 0	2 8 0	2 2 0	2 4 0	2 6 0
5	Chittagong	2 0 0	2 0 0	2 0 0	...	...	...	3 4 0	3 4 0	3 8 0	2 8 0	2 6 0	2 10 0
6	Patna	0 0	1 15 0	1 13 0	1 3 0	1 3 0	1 5 0	3 0 0	3 0 0	3 0 0	1 0 0	1 2 0	2 2 0
7	Baharee	2 8 0	2 4 0	2 2 0	3 0 0	3 0 0	3 0 0	2 12 0	2 12 0	3 0 0	1 0 0	1 6 0	1 10 0
8	Pooree	...	...	...	...	...	...	...	...	...	1 11 0	1 8 0	1 10 0
9	Cuttack	2 10 0	2 10 0	2 0 0	...	...	...	3 0 0	3 0 0	3 10 0	2 2 0	2 2 0	2 2 0

Calcutta,  
The 7th June 1887.

OWIN OR (COLUM. <i>Sorghum Vulgare</i> .)	BARBA OR CUMBO ( <i>Pennisetum typhlo-</i> <i>dum</i> .)
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Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.	
R.	A.P.	R.	A.P.	R.	A.P.	R.	A.P.	R.	A.P.	R.	A.P.
1	5	10	08	00	09	00	02	00	03	00	00
2	37			37		37		37		37	
3	33			33		33		33		33	
4	33			33		33		33		33	
5	33			33		33		33		33	
6	33			33		33		33		33	
7	33			33		33		33		33	
8	33			33		33		33		33	
9	33			33		33		33		33	
10	33			33		33		33		33	
11	33			33		33		33		33	
12	33			33		33		33		33	
13	33			33		33		33		33	
14	33			33		33		33		33	
15	33			33		33		33		33	
16	33			33		33		33		33	
17	33			33		33		33		33	
18	33			33		33		33		33	
19	33			33		33		33		33	
20	33			33		33		33		33	
21	33			33		33		33		33	
22	33			33		33		33		33	
23	33			33		33		33		33	
24	33			33		33		33		33	
25	33			33		33		33		33	
26	33			33		33		33		33	
27	33			33		33		33		33	
28	33			33		33		33		33	
29	33			33		33		33		33	
30	33			33		33		33		33	
31	33			33		33		33		33	
32	33			33		33		33		33	
33	33			33		33		33		33	
34	33			33		33		33		33	
35	33			33		33		33		33	
36	33			33		33		33		33	
37	33			33		33		33		33	
38	33			33		33		33		33	
39	33			33		33		33		33	
40	33			33		33		33		33	
41	33			33		33		33		33	
42	33			33		33		33		33	
43	33			33		33		33		33	
44	33			33		33		33		33	
45	33			33		33		33		33	
46	33			33		33		33		33	

9984

KANONI ON EAST  
ITALIAN HILL.  
(Sotaria italica)

[illegible]

undermentioned *Marts* of Bengal during the fortnight ending 31st May 1887.

RAM, CHANA, CHHOLA, KADALAY OR NDAAGA. ( <i>Cicer Aristinum</i> .)			INDIAN-CORN OR MAIZE. ( <i>Zea Mays</i> .)			ARHAR OR TRUE CHANDAN PRA. ( <i>Cajanus indicus</i> .)			PINEWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
4 2 0	1 0 0	1 12 0	1 8 0	1 8 0	1 12 0	2 0 0	2 0 0	1 15 0	0 0 0	0 0 0	0 0 0	8 3 0	3 0 0	2 17 0	Calcutta.
1 3 0	1 13 0	2 2 0	...	...	...	...	...	...	...	...	...	3 0 0	3 0 0	2 9 0	Serejgunge.
9 11 0	2 12 0	2 0 0	...	...	...	2 2 0	2 8 0	...	0 5 0	0 0 0	0 5 0	3 3 0	3 3 0	3 2 0	Dacca.
2 8 0	2 8 0	2 8 0	...	...	...	3 2 0	2 8 0	2 0 0	0 8 0	0 8 0	0 8 0	3 2 0	3 2 0	2 14 0	Naraingunge.
3 4 0	3 8 0	3 4 0	...	...	...	4 0 0	4 0 0	3 12 0	0 10 0	0 8 0	0 6 0	3 0 0	3 0 0	3 4 0	Chittagong.
1 3 0	1 2 0	1 5 0	1 8 0	1 3 0	1 6 0	1 5 0	1 5 0	1 6 0	0 5 0	0 5 0	0 4 0	3 1 0	3 1 0	3 1 0	Patna.
2 0 0	2 8 0	2 8 0	...	...	...	3 4 0	3 4 0	2 12 0	0 5 0	0 5 0	0 5 0	3 0 0	3 0 0	3 14 0	Balanore.
...	...	...	...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 10 0	Pooree.
2 0 0	(Kalel)	2 0 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

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# Meteorological Report of the Province of Bengal

			STATION OBSERVATIONS.													
METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Wind 10 A.M. temperature.
ORIGINAL.	Pooree	Gopulpore	29.634	29.648	-0.11	SSW	62.0	89.2	29th, 30th May.	80.8	1st June	86.2	82.4	85.2	+0.8	85.0
		Fake Point	29.631	29.700	+0.07	SW, SSW	55.0	90.5	30th, 31st May.	82.2	20. 31st May 1st June.	89.6	82.3	86.2	-0.1	87.0
	Outlook	Outlook	29.612	29.632	+0.022	S, SSW	100.0	106.4	2nd June	75.8	1st "	90.0	79.5	88.9	-1.9	91.0
	Balassore	Balassore	29.622	29.646	+0.024	S, SSW	100.342	82.4	2nd "	72.6	28th May	90.0	79.7	85.1	-3.6	86.0
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.636	29.722	+0.086	NNE	63.0	90.7	31st May	75.5	28th "	89.3	82.2	85.8	-0.0	86.0
	South 24-Pergunnahs	Midnapore	29.628	29.677	+0.049	S	205.7	93.3	1st June	70.2	28th "	91.7	77.0	84.9	-0.6	85.0
	Midnapore	Midnapore	29.628	29.677	+0.049	S	205.7	93.3	1st June	70.2	28th "	91.7	77.0	84.9	-0.6	85.0
	24-Pergunnahs	Calcutta	29.607	29.638	+0.031	SSW	201	91.0	31st May	70.2	28th "	89.4	79.3	86.4	-1.7	86.0
SOUTH-WEST BENGAL.	Howrah	Howrah	29.604	29.602	-0.002	S	105.1	96.1	3rd June	72.4	28th "	89.0	79.0	85.0	-2.8	85.0
	Hooghly	Hooghly	29.604	29.602	-0.002	S	105.1	96.1	3rd June	72.4	28th "	89.0	79.0	85.0	-2.8	85.0
	Burdwan	Burdwan	29.604	29.602	-0.002	S	105.1	96.1	3rd June	72.4	28th "	89.0	79.0	85.0	-2.8	85.0
	Bankura	Bankura	29.582	—	—	Southerly	62.1	97.1	2nd "	60.0	29th "	90.8	75.6	83.3	—	84.0
SOUTH-WEST BENGAL.	Barabhoon	Barabhoon	29.517	—	—	SSE	125.9	97.5	3rd "	71.4	31st "	92.1	77.3	84.7	-0.1	84.0
	West Bardwan	Bardwan	29.602	29.601	-0.001	Southerly	143.4	94.7	31st May	71.8	28th May, 30th May, 31st June	89.4	79.4	85.4	-0.6	85.0
	Moorshedabad	Moorshedabad	29.627	—	—	S	281.6	94.8	3rd "	71.3	1st June	92.1	76.1	83.6	—	84.0
	Nuddea	Nuddea	29.627	—	—	S	281.6	94.8	3rd "	71.3	1st June	92.1	76.1	83.6	—	84.0
SOUTH-WEST BENGAL.	Jessore	Jessore	29.676	29.718	+0.042	S	104.8	93.8	3rd "	74.4	1st, 2nd "	91.8	78.6	85.2	-0.5	85.0
	Khoolna	Chittagong	29.711	29.804	+0.093	S	171.6	89.7	24th May	72.5	2nd "	87.0	77.3	82.6	-0.3	83.0
	Chittagong	Chittagong	29.711	29.804	+0.093	S	171.6	89.7	24th May	72.5	2nd "	87.0	77.3	82.6	-0.3	83.0
	Chittagong Hill Tracts	Barisal	29.728	29.740	+0.012	S	240.8	91.3	30th May	74.4	2nd "	88.3	80.9	84.9	—	85.0
SOUTH-WEST BENGAL.	Backergunge	Backergunge	29.728	29.740	+0.012	S	240.8	91.3	30th May	74.4	2nd "	88.3	80.9	84.9	—	85.0
	Noakhali	Noakhali	29.728	29.740	+0.012	Southerly	10.4	80.2	30th May	74.3	2nd "	87.6	78.0	83.4	—	84.0
	Farrakka	Farrakka	29.673	—	—	S	247.0	85.5	29th, 31st May	72.4	2nd "	87.8	77.8	82.8	-0.1	83.0
	Dacca	Dacca	29.701	29.725	+0.024	S	247.0	84.1	28th "	74.1	2nd "	89.0	78.7	84.1	0	84.0
SOUTH-WEST BENGAL.	Tipperah	Tipperah	29.721	29.736	+0.015	SE	159.3	92.3	31st "	71.8	2nd "	88.1	77.0	83.1	+0.3	83.0
	Mymensingh	Mymensingh	29.685	—	—	Caln & southerly	100.0	89.3	31st "	72.0	28th May	87.9	76.5	81.7	+0.6	82.0
	Bogra	Bogra	29.614	29.627	+0.013	ENE	162.0	91.8	30th "	72.8	24th "	87.0	74.4	81.2	—	82.0
	Fubna	Serajpore	29.616	29.629	+0.013	SSE	172.0	91.1	31st "	67.7	24th "	88.2	74.4	81.0	-1.2	82.0
SOUTH-WEST BENGAL.	Rajahmundry	Rajahmundry	29.691	29.691	0.000	SE	245.6	91.3	3rd June	69.7	29th "	88.0	75.1	80.0	-3.0	81.0
	Maldah	Maldah	29.638	—	—	SE	64.1	87.0	28th May	69.6	30th "	84.4	73.1	78.8	—	79.0
	Dinapore	Dinapore	29.690	29.702	+0.012	ENE	158.1	88.1	28th "	72.1	28th "	84.0	74.2	79.4	-0.3	80.0
	Rangpo	Rangpo	29.585	29.711	+0.126	Caln	150.3	89.8	28th "	71.7	28th May & 1st June.	84.7	74.0	78.0	-1.8	79.0
SOUTH-WEST BENGAL.	Jalpaiguri	Jalpaiguri	29.467	29.728	+0.261	NE	190.6	87.9	28th "	71.8	28th May	82.6	72.8	77.7	-3.1	77.0
	Cooch Behar	Darjeeling	22.082	—	—	Caln	131.1	83.0	2nd June	60.6	28th "	60.4	62.9	65.6	-2.2	63.0
	Darjeeling Hill Districts	Darjeeling	22.082	—	—	Caln	131.1	83.0	2nd June	60.6	28th "	60.4	62.9	65.6	-2.2	63.0
	Purneah	Purneah	29.639	29.681	+0.042	NE	45.0	60.2	3rd "	72.0	1st June	79.8	78.3	76.5	-7.8	75.0
SOUTH-WEST BENGAL.	North Bhagulpore	North Bhagulpore	29.639	29.681	+0.042	NE	45.0	60.2	3rd "	72.0	1st June	79.8	78.3	76.5	-7.8	75.0
	Mozufferpore	Mozufferpore	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Darbhanga	Darbhanga	29.601	29.663	+0.062	ENE	204.0	85.4	28th May	72.6	3rd "	88.2	74.6	79.8	-8.6	76.0
	Champur	Motihari	29.633	29.662	+0.029	SE	230.8	87.2	1st June	70.8	3rd "	84.0	73.0	78.9	-3.1	79.0
SOUTH-WEST BENGAL.	Sarun	Chupra	29.633	—	—	E, ENK	133.7	93.0	28th May	73.6	28th May	83.0	76.8	79.4	-12.9	76.0
		Dehree	29.272	29.627	+0.355	Northerly	210.4	88.4	3rd June	60.0	2nd "	83.7	74.1	78.9	-11.0	77.0
	Shahabad	Buxar	29.404	29.646	+0.242	NE	238.0	88.0	2nd "	72.8	28th May	81.0	74.0	78.0	-13.0	76.0
		Arrah	29.428	29.627	+0.199	E	143.0	88.4	2nd "	73.1	28th May	82.6	73.3	78.9	—	79.0
SOUTH-WEST BENGAL.	Gya	Gya	29.235	29.612	+0.377	Caln	79.0	91.6	1st "	74.8	28th May	87.7	80.9	84.3	-8.3	81.0
	Patna	Bankipore	29.470	29.655	+0.185	NE	175.0	83.4	1st, 2nd "	73.2	28th May	81.2	75.3	78.3	-18.8	76.0
	South Bhagulpore	Bankipore	29.470	29.655	+0.185	NE	175.0	83.4	1st, 2nd "	73.2	28th May	81.2	75.3	78.3	-18.8	76.0
	Monghyr	Bankipore	29.470	29.655	+0.185	NE	175.0	83.4	1st, 2nd "	73.2	28th May	81.2	75.3	78.3	-18.8	76.0
SOUTH-WEST BENGAL.	South 24-Pergunnahs	Jamshedpur	29.138	—	—	SSE	85.1	91.3	30th May	71.8	28th May, 30th May, 31st June	87.6	74.4	81.0	—	82.0
	Hazaribagh	Hazaribagh	27.664	29.630	+0.166	Variable	281.0	95.3	3rd June	63.7	28th May	86.0	73.9	80.3	-6.3	79.0
	Lohardugga	Ranches	27.634	29.610	+0.176	SW	189.1	88.5	3rd "	70.8	28th May	88.4	74.4	81.0	-0.1	82.0
	Mashhoon	Chy-cham	28.605	—	—	S, SSW	70.2	96.8	3rd "	73.0	28th May	98.0	78.0	87.3	—	83.0
SOUTH-WEST BENGAL.	Amara	Mitagar	29.450	29.795	+0.345	SW, NE	80.9	92.5	28th May	71.3	2nd June	86.2	73.6	79.4	-2.4	80.0
		Dhuhri	29.017	29.730	+0.713	North-westerly	292.8	87.2	30th "	72.6	1st "	89.4	74.4	78.4	-2.4	80.0
		Sikhar	29.082	29.701	+0.619	Caln	72.0	93.4	29th, 30th May	71.3	3rd "	88.6	75.2	81.8	+0.6	82.0

for the week ending Friday, the 3rd June 1887.

DISTRICT OBSERVATIONS.																		
No. in a. m.	Humidity	Average cloud amount at 10 a.m. for week.	Rainfall of week at observing station.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.	Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.	
				Of week.		Since 1st of May.			Since 15th May 1887.									
				Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
1	80	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	Orissa.	SOUTH-WEST BENGAL.		
2	84	Nil	0.01	0.78	5.31	+2.08	4.21	1.02	+2.32	0.02	1.7	1.7	Pala Point					
3	87	0.67	0.13	1.47	6.13	+4.66	4.95	2.69	+2.28	0.4	2.1	2.1	Cuttack	Cuttack				
4	84	0.20	0.58	1.15	9.08	+8.08	7.19	2.70	+1.97	0.2	2.0	2.0	Balasore	Balasore				
5	81	0.19	0.37	1.20	3.86	+3.67	2.66	2.92	+0.26	1.7	2.1	2.1	Saugor Island	South-West Midnapore	Orissa.	SOUTH-WEST BENGAL.		
6	80	3.61	0.50	1.16	5.00	+3.84	3.69	2.54	+1.38	1.3	2.0	2.0	Midnapore	South 34-Pergunnahs				
7	81	0.70	0.64	1.07	0.12	-0.95	2.71	3.68	+0.97	1.6	2.5	2.5	Culcutta	34-Pergunnahs				
8	84	2.41	4.38	1.23	11.75	+10.52	5.00	2.08	+0.71	2.7	1.8	1.8	Burdwan	Howrah				
9	83	2.77	2.46	1.83	4.00	+2.17	4.00	2.85	+0.85	2.3	2.1	2.1	Bankura	Hooghly	Orissa.	SOUTH-WEST BENGAL.		
10	81	2.78	3.77	0.00	0.21	+0.21	8.85	7.31	+1.54	0.0	1.9	1.9	Ranagunga	Bankura				
11	80	8.09	7.11	1.34	13.41	+12.07	5.39	3.42	+1.97	0.7	2.1	2.1	Berhampore	West Burdwan				
12	83	4.16	3.81	1.70	10.4	+6.59	7.00	4.34	+0.31	3.8	2.4	2.4	Keshunagar	Moanshabad				
13	80	0.47	1.18	1.02	0.76	-0.74	7.63	4.33	-3.30	1.3	2.5	2.5	Jessore	Nudda	Orissa.	SOUTH-WEST BENGAL.		
14	86	1.42	—	3.08	12.04	+10.62	12.11	7.08	+5.03	3.3	3.3	3.3	Chittagong	Jessore				
15	83	0.79	0.37	2.82	5.45	+2.63	0.27	5.68	+5.41	1.0	3.4	3.4	Dumagiri	Khoulou				
16	83	0.20	0.00	4.06	9.20	+5.14	13.40	7.27	+3.87	1.3	3.4	3.4	Barisal	Chittagong Hill Tracts				
17	87	2.07	2.02	2.00	6.03	+4.03	10.03	0.72	-5.31	2.0	2.7	2.7	Purandipore	Backergunge	Orissa.	SOUTH-WEST BENGAL.		
18	74	0.41	1.17	2.24	6.02	+5.61	10.53	0.25	-10.28	2.5	3.5	3.5	Dacca	Nonkhelly				
19	80	1.28	—	2.86	12.31	+11.03	12.31	6.24	+4.96	3.8	3.5	3.5	Gomulih	Purandipore				
20	80	7.48	7.50	2.36	13.01	+10.65	11.11	0.14	+0.72	3.8	3.5	3.5	Mymensingh	Dacca				
21	80	23.08	—	1.91	3.09	+1.18	3.09	5.25	+2.16	5.0	3.0	3.0	Bogra	Tipperah	Orissa.	SOUTH-WEST BENGAL.		
22	86	13.17	8.05	1.69	10.78	+9.09	8.23	4.00	+3.20	5.0	3.4	3.4	Serajung	Mymensingh				
23	80	7.03	—	1.39	0.80	-0.59	0.80	8.34	+7.54	5.0	1.9	1.9	Rampore Beaulah	Bogra				
24	79	13.00	9.40	0.80	18.30	+17.50	4.58	2.70	+2.18	5.0	1.8	1.8	Maldah	Pabna				
25	87	17.05	11.78	1.79	10.85	+9.06	6.41	4.18	+2.23	4.3	2.8	2.8	Dinapore	Rajshahiye	Orissa.	SOUTH-WEST BENGAL.		
26	47	13.07	10.48	2.76	21.08	+18.32	12.21	6.38	+4.17	5.5	2.0	2.0	Rangpore	Maldah				
27	90	12.12	10.01	2.00	21.39	+19.39	15.03	3.27	+1.24	8.7	3.7	3.7	Jalpigoree	Dinapore				
28	87	12.40	—	2.58	11.21	+9.63	11.21	7.23	+6.02	5.2	3.0	3.0	Darjeeling	Cooch Behar				
29	88	10.31	11.00	0.86	10.50	+9.64	4.81	2.07	+2.73	4.7	1.3	1.3	Purneah	Darjeeling Hill Climb	Orissa.	SOUTH-WEST BENGAL.		
30	86	4.44	—	0.40	7.05	+6.65	2.33	1.10	+1.23	4.7	0.8	0.8	Mozufferpore	Purneah				
31	86	4.20	4.48	0.33	7.29	+6.96	2.62	1.74	+1.12	3.5	0.8	0.8	Mozufferpore	North Bhagulpore				
32	80	1.87	1.41	0.79	12.81	+10.94	3.08	1.77	+1.69	4.0	0.7	0.7	Darbhanga	Mozufferpore				
33	80	0.80	2.56	0.42	4.31	+3.51	2.00	1.00	+1.00	2.3	0.6	0.6	Chupra	Darbhanga	Orissa.	SOUTH-WEST BENGAL.		
34	77	3.04	—	—	—	—	—	—	—	2.3	0.5	0.5	Delree	Champaran				
35	80	2.06	2.00	0.28	0.02	-0.26	1.11	0.03	-1.08	2.3	0.7	0.7	Buxar	Sarun				
36	83	7.37	—	—	—	—	—	—	—	3.8	0.7	0.7	Arrah	Shahabad				
37	82	3.03	3.44	0.26	0.02	-0.24	1.76	1.33	+0.43	4.0	0.7	0.7	Gya	Buxar	Orissa.	SOUTH-WEST BENGAL.		
38	10.0	7.07	5.20	0.40	7.77	+7.37	1.03	1.24	+0.21	4.8	1.1	1.1	Banarpore	Arrah				
39	83	4.81	6.05	0.47	8.67	+8.20	2.31	1.49	+0.82	1.0	1.0	1.0	Bhagulpore	Gya				
40	10.0	7.08	7.07	0.25	13.12	+12.87	3.89	2.23	+1.64	3.0	1.3	1.3	Donkha	South Bhagulpore				
41	80	1.41	0.76	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Munghyr	Orissa.	SOUTH-WEST BENGAL.		
42	80	0.41	1.87	0.42	7.24	+6.82	2.82	1.68	+1.26	1.7	1.7	1.7	Banchoe	South 34-Pergunnahs				
43	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Donkha				
44	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	South 34-Pergunnahs				
45	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
46	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
47	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
48	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
49	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
50	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
51	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
52	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
53	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
54	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
55	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
56	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
57	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
58	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
59	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
60	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
61	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
62	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
63	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
64	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
65	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
66	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
67	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
68	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
69	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
70	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
71	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
72	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
73	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
74	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
75	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
76	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
77	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
78	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
79	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
80	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
81	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
82	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
83	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
84	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
85	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
86	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
87	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
88	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
89	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
90	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
91	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
92	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
93	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
94	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
95	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
96	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh				
97	87	1.00	—	—	—	—	—	—	—	2.0	1.6	1.6	Hazaribagh	Hazaribagh	Orissa.	SOUTH-WEST BENGAL.		
98	87	1.00	—	—	—	—	—	—	—									

1. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.  
 2. The average cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations of rainfall, the normal mean of the district is the numerical average of the rainfall return required in the district, i.e., from the total rainfall at the sub-divisions.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of June 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of May.	Average total rainfall from 1st of May.	Total rainfall since 1st of May 1887.	Average rainfall from 1st of May to date.
			Saturday, 28th May.	Sunday, 29th May.	Monday, 30th May.	Tuesday, 31st May.	Wednesday, 1st June.	Thursday, 2nd June.	Friday, 3rd June.	Number rainy days.	Rainfall inch.				
ORISSA.	Purora	Purora	0.05							NH	NH	2.41	2.70	1.56	1.56
		Kharoloh								NH	NH	2.32	2.65	1.57	1.57
		Barbar								NH	NH	2.70	2.78	1.50	1.50
		False Point								NH	NH	2.34	2.62	1.50	1.50
	Cuttack	Top								NH	NH	2.20	2.58	1.50	1.50
		Pipra								NH	NH	2.40	2.70	1.50	1.50
		Jagatsinghpore								NH	NH	0.73	2.10	4.28	1.50
		Bhauka								NH	NH	0.20	2.04	3.65	1.50
	Udhapore	Cuttack								NH	NH	0.30	2.77	3.00	1.50
		Kondrapore								NH	NH	7.04	4.51	0.21	0.21
		Jaspore	0.02							NH	NH	10.44	5.04	0.40	0.40
		Dharwad								NH	NH	0.03	2.90	2.70	2.70
SOUTH-WEST BENGAL.	Midnapore	Chandbali								NH	NH	13.75	5.16	13.20	5.16
		Bhuddrak								NH	NH	11.41	5.78	8.76	5.78
		Sopah								NH	NH	8.44	5.11	6.51	5.11
		Balipodda	0.45							NH	NH	11.46	5.00	10.61	5.00
	Diamond Harbour	Jelumabad		0.61						1	0.61	0.61	5.57	3.28	3.28
		Contai	0.01	0.10						2	0.11	3.78	5.36	5.11	5.11
		Saugor Island	0.10							1	0.10	5.10	5.44	2.76	2.76
		Tumlook								NH	NH	4.40	5.57	2.90	2.90
	Howrah	Midnapore		0.22					0.10	3	0.34	0.70	5.00	4.50	4.50
		Chattal					0.44			1	0.44	0.70	5.89	4.06	4.06
		Deop								NH	NH	4.01	5.11	2.53	2.53
		Howrah								NH	NH	4.00	5.11	2.53	2.53
	24-Pargannah	Bhappanpore								NH	NH	2.00	5.11	2.53	2.53
		Gurudatta	0.25							2	0.25	0.72	5.11	4.23	4.23
		Diamond Harbour	0.04				0.10			2	0.10	3.75	5.88	2.05	2.05
		Canning Town								NH	NH	0.13	5.11	2.53	2.53
	Burdwan	Alipore Jail					0.35			1	0.35	0.40	0.80	0.40	0.40
		Barrackpore	0.02				0.33			2	0.35	7.44	6.32	3.04	3.04
		Dum-Dum	0.04				1.07			1	1.07	0.65	6.65	0.65	0.65
		Barrackpore	0.05	0.13			0.47			3	0.65	0.12	7.10	2.73	2.73
	Hooghly	Bussurhat					0.05			1	0.05	4.08	7.63	2.73	2.73
		Howrah	0.08				0.57			2	0.65	7.71	5.08	5.04	5.04
		Malpote								NH	NH	2.83	0.87	0.87	0.87
		Colabar								NH	NH	2.83	0.87	0.87	0.87
	Hooghly	Serampore		0.05			0.47			2	0.50	6.63	0.65	2.37	2.37
		Hooghly					0.35			1	0.35	4.28	0.77	1.76	1.76
		Jelumabad	0.25				0.35			2	0.60	5.81	0.42	4.32	4.32
		Jelumabad								1	1.75	7.21	5.42	5.76	5.76
	Burdwan	Culina	1.75				0.15			1	2.01	10.04	8.61	7.00	7.00
		Burdwan	1.40	0.28			0.47			4	2.14	18.01	8.76	13.73	13.73
		Culina	1.40	0.10			0.47	3.89		5	5.24	6.99	3.30	5.21	5.21
		Manikganj	1.06	0.40			1.30			3	2.76	0.10	5.10	5.10	5.10
	Bankura	Manikganj	0.78				1.30			3	2.08	0.10	5.10	5.10	5.10
		Bankura	1.14	0.11			1.25			3	2.50	4.27	4.70	5.42	5.42
		Bahadur	1.18				0.48			2	1.66	6.43	5.84	5.55	5.55
		Bahadur	1.18				2.00			2	3.18	7.14	3.78	5.89	5.89
	Bankura	Muham	0.72				0.54			2	1.26	8.76	4.10	2.94	2.94
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
	Bankura	Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57
		Khatra	0.12				0.52			2	0.64	0.77	5.11	3.57	3.57

statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of June 1887—contd.

District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of May.	Average total rain-fall from 1st of May.	Total rain-fall since 1st of May 1897.	Average rainfall from 1st of May to date.
		Sunday, 28th May.	Sunday, 29th May.	Monday, 30th May.	Tuesday, 31st May.	Wednesday, 1st June.	Thursday, 2nd June.	Friday, 3rd June.	Number of rainy days.	of (in) week.				
WEST BENGAL - Ranchi.	Gourmaddi	.....	.....	.....	.....	.....	0.03	.....	1	0.03	8.40	8.40	0.08	0.08
	Baunkhat	.....	.....	.....	.....	.....	0.02	0.11	1	0.13	8.40	8.40	0.08	0.08
	Naokhally	0.15	.....	.....	.....	.....	0.13	.....	1	0.13	8.40	8.40	0.08	0.08
Bihar - Patna.	Harishchpore	.....	.....	.....	.....	.....	1.10	.....	1	1.10	10.7	10.7	3.55	3.55
	Rampang	.....	.....	.....	.....	1.10	0.10	.....	1	1.20	10.7	10.7	3.55	3.55
	Madhupur	.....	.....	.....	.....	.....	0.13	.....	1	0.13	8.40	8.40	0.08	0.08
Bihar - Patna.	Barrowpore	.....	.....	.....	.....	.....	1.31	.....	1	1.31	10.7	10.7	3.55	3.55
	Kauland	.....	0.24	.....	.....	.....	0.13	.....	1	0.24	10.7	10.7	3.55	3.55
	Madhupur	.....	.....	.....	.....	.....	0.13	.....	1	0.13	8.40	8.40	0.08	0.08
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.30	.....	1	0.30	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
Bihar - Patna.	Madhupur	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Barrowpore	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10.7	3.55	3.55
	Kauland	.....	.....	.....	.....	.....	0.31	.....	1	0.31	10.7	10		

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 3rd of June 1887—*contd.*

Met. Observing Station.	District.	Station.	Rainfall.						Total.		Total rain-fall since 1st of May.	Average total rain (in) from 1st of May.	Total rain-fall since 1st of May 1887.	Average rain-fall from 1st of May 1887.
			Saturday, 29th May.	Sunday, 30th May.	Monday, 31st May.	Tuesday, 1st June.	Wednesday, 2nd June.	Thursday, 3rd June.	Number of rainy days.	of rainfall week.				
NORTH BENGAL—continued.	Burdwan.	Gopalgunge...	1.10	0.25	0.10	.....	0.41	.....	4	1.86	8.52	8.01	2.80	.....
		Sowah...	1.51	0.45	0.10	.....	0.16	.....	4	2.13	3.53	1.87	3.53	.....
SOUTH BENGAL.	Bhadrabad.	Churman...	2.23	0.75	0.31	0.63	.....	.....	4	3.93	7.30	1.85	7.30	.....
		Bahar...	1.75	0.51	0.21	.....	.....	.....	3	2.47	5.74	0.79	5.74	.....
		Doherr...	1.80	0.01	.....	.....	.....	.....	1	1.81	5.81	.....	5.81	.....
		Dhuhonah...	2.09	.....	.....	.....	.....	.....	1	2.09	3.13	1.13	3.13	.....
		Sasaram...	0.50	0.05	.....	.....	.....	.....	2	0.55	4.75	1.14	4.75	.....
		Atal...	2.51	1.43	0.19	.....	.....	.....	3	4.13	10.42	1.35	10.42	.....
		Mohana...	0.50	0.50	.....	.....	.....	.....	2	1.00	.....	.....	.....	.....
		Aurangabad...	2.97	0.14	.....	.....	.....	.....	2	3.11	6.47	1.41	6.47	.....
		Gya...	1.81	0.24	.....	.....	.....	.....	2	2.05	4.25	1.31	4.25	.....
		Nowadah...	1.44	0.39	0.07	.....	.....	.....	3	1.90	2.92	0.78	2.92	.....
		Johannabad...	0.70	0.34	1.41	.....	.....	.....	3	2.45	5.73	1.79	5.73	.....
		Arad...	1.23	0.25	0.70	0.14	.....	.....	4	2.32	7.59	.....	7.59	.....
		Baudhagar...	2.50	.....	.....	.....	.....	.....	1	2.50	6.29	.....	6.29	.....
		Shyghatt...	3.00	0.10	.....	.....	.....	.....	2	3.10	1.58	.....	1.58	.....
		Rajaul...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Pakr Baran...	0.50	.....	0.50	.....	.....	.....	2	1.00	1.08	.....	1.08	.....
		Fatma...	1.84	4.50	0.88	1.15	.....	.....	4	7.37	0.01	1.90	0.47	.....
		Dhupur...	2.23	2.45	1.05	0.30	.....	.....	4	6.17	0.24	1.30	0.24	.....
		Bahar...	2.00	0.80	0.75	.....	.....	.....	3	3.55	5.09	1.35	5.09	.....
		Karra...	2.00	1.00	0.60	0.45	.....	.....	4	4.05	7.15	1.76	7.15	.....
		Sikram...	1.25	1.00	5.00	.....	.....	.....	3	6.15	10.10	.....	10.10	.....
		Hila...	0.83	1.83	0.30	0.03	.....	.....	4	2.99	4.03	.....	4.03	.....
		M-nag...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Bogomarat...	0.83	0.70	2.20	1.53	.....	.....	4	5.26	0.12	2.04	0.12	.....
		Monah...	0.80	0.61	6.24	0.70	.....	.....	4	8.35	11.39	2.84	11.39	.....
		Jagun...	0.91	1.31	1.72	0.11	.....	.....	4	3.05	5.81	2.00	5.81	.....
		Gogri...	0.95	0.65	7.50	2.25	.....	.....	4	11.35	14.10	.....	14.10	.....
		Sheikpura...	.....	2.00	.....	.....	.....	.....	1	2.00	4.00	.....	4.00	.....
		Bhagulpore...	0.82	0.10	2.15	1.10	0.04	.....	5	4.21	7.84	2.45	7.84	.....
		Banka...	1.23	.....	2.25	4.05	.....	.....	3	7.53	0.24	2.02	0.24	.....
		Kolung...	1.20	0.10	4.05	1.50	.....	.....	4	7.04	11.73	.....	11.73	.....
		Banthal Poy...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Rajmoul...	1.70	0.32	6.10	4.78	.....	.....	4	12.90	11.19	4.42	11.19	.....
		Gadua...	2.45	0.25	2.84	7.05	.....	.....	4	12.59	10.87	2.85	10.87	.....
		Pakour...	1.61	0.51	0.02	1.08	0.44	.....	5	4.87	13.08	4.02	13.08	.....
		Nya Dugur...	2.07	0.01	0.70	1.94	.....	.....	5	4.72	13.09	4.01	13.09	.....
		Keoghur...	0.38	.....	1.35	2.11	.....	.....	4	3.84	7.12	1.78	7.12	.....
		Jamuna...	1.00	.....	1.15	1.70	.....	.....	3	3.85	7.37	1.83	7.37	.....
		Sakra...	2.50	0.50	3.15	0.12	.....	.....	4	12.27	15.05	.....	15.05	.....
		Namthal...	0.25	.....	2.10	0.45	.....	.....	3	2.80	4.40	.....	4.40	.....
CHUTTA NAGPUR.	Hazaribagh.	Pachamha (Giradi)...	0.45	.....	1.30	0.30	.....	0.25	4	2.31	8.84	2.15	8.84	.....
		Hazaribagh...	0.81	.....	0.05	0.21	.....	0.10	4	1.21	0.69	2.62	0.69	.....
		Sankar...	0.18	.....	0.25	.....	.....	.....	3	0.41	0.11	3.24	0.11	.....
		Mand...	1.70	.....	.....	.....	.....	.....	1	1.70	7.00	.....	7.00	.....
		Barna...	1.00	.....	0.20	.....	.....	.....	2	1.20	0.27	.....	0.27	.....
		Chitra...	1.57	0.03	0.18	0.00	.....	.....	4	1.78	0.55	.....	0.55	.....
		Aaryagaha...	1.00	.....	2.10	0.50	.....	1.00	4	5.60	0.34	.....	0.34	.....
		Amogh...	.....	.....	0.24	.....	.....	.....	1	0.24	0.00	.....	0.00	.....
		Lohardugga...	0.11	0.16	.....	.....	.....	.....	2	0.27	0.16	.....	0.16	.....
		Kanchi...	.....	.....	.....	.....	.....	.....	Nil	Nil	11.54	2.82	11.54	.....
		Pankaj...	1.01	.....	.....	.....	.....	.....	1	1.01	0.32	1.81	0.32	.....
		Salla...	.....	.....	0.70	.....	.....	.....	1	0.70	4.00	.....	4.00	.....
		Haimat...	2.39	.....	.....	.....	.....	.....	1	2.39	4.96	.....	4.96	.....
		Mossabad...	0.25	0.08	.....	.....	.....	.....	2	0.33	0.11	.....	0.11	.....
		Garwah...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Chyodasa...	0.50	0.50	.....	0.10	.....	.....	3	1.10	11.56	4.12	11.56	.....
		Chakradhar...	.....	.....	.....	0.31	.....	.....	1	0.31	0.36	.....	0.36	.....
		Chutilla...	0.35	.....	.....	.....	0.27	0.18	4	0.82	4.65	.....	4.65	.....
		Bharagura...	0.01	.....	.....	.....	.....	.....	1	0.01	4.28	.....	4.28	.....
		Poraha...	0.28	0.20	.....	2.32	.....	0.05	4	3.61	7.27	1.75	7.27	.....
		Chakradhar...	0.81	.....	1.04	0.42	.....	0.07	4	2.34	4.61	1.26	4.61	.....
		Rajmoul...	0.10	0.15	.....	0.17	.....	0.01	4	1.43	5.41	.....	5.41	.....
		Burabhoon...	.....	.....	.....	1.07	.....	.....	1	1.07	3.04	.....	3.04	.....
		Jahida...	.....	.....	.....	2.34	.....	.....	1	2.34	.....	.....	.....	.....
		Chas...	.....	.....	.....	1.10	.....	.....	1	1.10	3.78	.....	3.78	.....

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the are wanting, the corresponding spaces in the total rainfall column are left blank.

CALCUTTA, the 7th June 1887.

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-  
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 3RD  
OF JUNE 1887.**

It will be remembered that a rather fierce but small cyclone, which had formed in the centre of the Bay of Bengal, had crossed the coast between False Point and Saugor Island on the morning of May 26th. It then continued to travel in a north-north-westerly direction through a part of Orissa and South-West Bengal, then through Chutia Nagpur, and at 10 A.M. of May 27th, the last day of the previous week, the centre of the storm was between Gya and Hazaribagh. At this time the storm had become comparatively feeble, and it was evidently rapidly filling up and disintegrating. A strong burst of south-west monsoon winds followed in the rear of the storm, and these monsoon winds were decidedly more pronounced over the western divisions of the province than elsewhere, and the current flowing over East Bengal was comparatively feeble. The excessively heavy rainfall brought up by the cyclonic storm to the districts through which it passed was also noticed in the previous report.

On Saturday, the 28th, a very rapid increase of pressure took place over the whole province, the rise being most rapid in South Behar and Chutia Nagpur. These changes accompanied the rapid filling up of the cyclonic storm, and on this day the storm had practically ceased to exist as anything more than a pronounced barometric depression. The centre of this depression was to the east of Gya, and therefore the storm, or what remained of it, had remained practically stationary since the 27th, or perhaps had only advanced very slightly in a westerly direction. Winds, however, continued to circulate cyclonically round this centre, and both over the area occupied by the depression, and to the south of it, strong winds were blowing. The storm was thus clearly and rapidly breaking up, and with its disintegration excessively heavy rainfall was reported over Behar and North Bengal. On the 29th pressure again increased, the rise being largest in South Behar, where at some stations the increase exceeded a tenth of an inch, and on this day even the slight barometric depression, which was all that had remained of the previous violent cyclone, practically filled up and disappeared. The life history of this cyclone may therefore be said to have lasted from the 19th or 20th of May up till the 29th, a period of nine or ten days only, of which the first two or three days, up till about the 22nd or 23rd, were occupied in its development and intensification, the next two or three days in its advance over the sea, till on the morning of the 26th the centre of the storm crossed the coast a little to the east of Balasore, while the remaining three days were occupied in its advance over the land and its rapid diminution in intensity, until it finally died away in South Behar on the 28th and 29th. Though generated decidedly rapidly, it was of very much greater fierceness than is usual in storms formed at the commencement of the south-west monsoon, but on the other hand it was comparatively small, and the destructive part of the cyclone, or where the winds were very intense, does not appear to have been more than perhaps 100 to 150 miles across.

Though the cyclonic storm thus ceased to exist on the 29th, or early in the week under review, the rainfall which was brought up by the storm itself, and the rainfall due to the powerful inrush of monsoon winds in the wake of the storm, continued for several days longer, and in some districts rain has practically not ceased throughout the week. The storm may in fact be said to have commenced the rainy season in Bengal, for the southerly monsoon winds having once penetrated over the province, they will probably not again retreat, though of course a diminution in the strength of the current must be expected before a further inrush of monsoon winds accompanied by heavy rainfall will take place. The rainfall which was brought about by the storm in its disappearance, and the rainfall subsequent to it, has been of extraordinary heaviness, and some stations have reported nearly 20 inches of rain within 24 hours. These heavy rainfalls will again be referred to under their appropriate headings.

After the disappearance of the storm, the meteorological conditions over the province gradually became more normal; pressure commenced to oscillate slowly as is usual; winds steadily fell off in force and became more moderate; temperature rose until it became more nearly normal, for with the excessive rainfall temperature had been very low; and finally rainfall diminished, though still the weather remained to a great extent that of the rainy season in Bengal.

*Pressure*—Has again to a certain extent been dependent on the cyclonic storm above referred to, and at the commencement of the week it was rather largely below the normal, the defect being greatest in the west of the province. With the rather rapid rise of pressure which followed after the disappearance of the storm, and when conditions became more settled, pressure at the close of the week became decidedly above the normal at most stations, and on the 3rd the excess varied from about 0.01" up to 0.05". For the whole week the variations of the mean pressure from the normal have been comparatively small; at a considerable number of stations the pressure has been slightly below the normal, but at the majority of stations the mean pressure has been above the normal. Pressure has been most largely above the normal in East Bengal, where it averages about 0.05", but at most stations the excess is not larger than about 0.02" to 0.03".

*Temperature*—Has been low in those districts which have received heavy rainfall, and in particular it has been extremely low in Behar. In South Behar the average mean



temperature for the week has been no less than  $11.1^{\circ}$  below the normal, while in North Behar the defect has been  $9^{\circ}$ . In Chutia Nagpur the defect in the mean temperature has been  $6.2^{\circ}$ ; and in South-West Bengal and North Bengal between  $3^{\circ}$  and  $4^{\circ}$ . In Assam and Orissa the defect has been between  $1^{\circ}$  and  $2^{\circ}$ ; while on the other hand the mean temperature in East Bengal has been slightly ( $0.3^{\circ}$ ) above the normal. For the whole of Bengal and Assam the mean temperature for the week has been no less than  $4.5^{\circ}$  below the normal.

*Rainfall.*—The rainfall over the province was heaviest during the first four days in the week, and for the last three days it has been decidedly more local and lighter. This has been particularly the case in South-West Bengal and in Behar, but in North Bengal rainfall has continued longer, practically till the close of the week, while in East Bengal the rain only commenced to fall when it was ceasing in other districts. As has been previously stated, some extraordinarily heavy falls were reported during the breaking up of the storm, and according to well known physical principles, the fall has been heaviest in and near the hills to the north and north-east of the province. The heaviness of the rainfall will be shown by the fact that at Dewanganj in the Mymensingh district the excessive fall of 19.67 inches was reported on June 1st. The following stations have also reported amounts in excess of ten inches of rain in a single day during the week:—Sernigunge, Nowkhilla (Bogra district), Durgapur (Mymensingh district); and the following amounts between 5 and 10 inches within 24 hours.—Meherpur (Nuddea district), Ann, Mymensingh, Jamalpur, and Netrokona all in the Mymensingh district, Sberpore (Bogra district), Mohadehpore, Churamon and Dinagepur in the Dinagepur district, Bhawanigunge, Bagdogra, Rungpur, Julpigori, Debiganje, Dinhatta, Saliguri, Kissengunge, Arrareah, Purneah, Muddapur, Munghyr, and Gogri.

The rainfall for the week has consequently in many districts been largely in excess of the normal for the period. North Bengal has received the largest fall, and the average of all the stations for the week shows that 12.10 inches of rain were received, while the normal fall for the week is only 2.09 inches, thus showing an excess fall of more than ten inches, and that the actual fall was about six times the normal. In North Behar the average fall for the week has been 5.77 inches against a normal fall of 0.61 inches, and thus the actual fall is about nine times the normal. In South Behar the average fall was 5.30 inches, the normal amount being 0.50, and thus the actual is more than ten times the normal. These represent the districts in which the falls have been heaviest, and the next largest fall has been received in South-West Bengal, which has averaged 2.55 inches against the normal of 1.48 inches; Chutia Nagpur has also averaged 1.65 inches during the week against a normal of 0.72 inches, so that both these districts have received falls much larger than the normal. East Bengal and Orissa on the other hand have received falls decidedly smaller than the normal. In East Bengal the rainfall for the week has averaged 2.38 inches against the normal 2.72 inches, and the fall has therefore been 87 per cent. of the normal, while in Orissa the fall has been only 0.28 inches against the normal 1.16 inches, and the actual has only been 24 per cent. of the normal.

The rainfall in Assam can only be judged of from the reports received from three stations, but it would appear that the area of heavy rainfall brought up by the storm has extended to this district as well, and particularly in Cachar and in Sylhet the rainfall appears to have been excessively heavy. The actual fall at Silchar during the week has been 11.57 inches, at Dhubri it has been 8.22 inches, and at Sibsagar 5.47 inches, thus showing that a very heavy precipitation has been taking place over this area.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 3rd of June 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.										RAINFALL.							
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week, above or below normal mean of week.	Of week.			Rainy days.			Since 1st of May.		Since 1st of May 1887.			
			Average of each day.	Lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.				
Orissa	100.4	72.8	91.8	81.0	86.3	-1.2	0.23	1.16	-0.93	9.3	2.0	+1.7	7.33	4.80	2.53			
South-West Bengal	97.5	69.0	91.0	77.8	84.4	-3.5	2.55	1.48	+1.07	2.0	2.3	+0.3	8.81	6.78	2.03			
East Bengal	95.3	71.8	83.3	77.0	83.1	+0.3	2.88	2.72	-0.84	2.3	2.3	-1.0	9.00	11.16	-2.16			
North Bengal	91.8	67.7	82.8	73.8	79.9	-2.1	12.10	2.09	+10.01	5.0	2.0	+3.0	17.45	9.59	7.86			
North Bihar	98.5	70.8	88.9	74.1	79.4	-0.6	5.77	0.61	+5.16	4.6	1.0	+3.6	9.12	3.10	6.02			
South Bihar	91.4	69.0	84.1	75.6	79.8	-11.1	5.30	0.50	+4.80	3.4	1.0	+2.4	9.07	2.28	6.79			
Chutia Nagpur	98.8	68.7	88.0	74.2	81.1	-0.2	1.05	0.72	+0.33	2.7	1.7	+1.0	6.80	9.61	-2.81			
Assam	93.2	71.1	85.3	74.4	79.9	-1.7												

\* Obysahar not included.

METEOROLOGICAL OFFICE, BENGAL;  
The 7th June 1887.

A. PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

**Abstract of the results of Meteorological Observations taken at the Alipore Observatory in the month of May 1887.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	29.625		
The average pressure of May from 24 years' registers ...	29.656		
The highest pressure in the month ... ..	29.866	5th	10h.
The lowest pressure in the month ... ..	29.411	26th	6h.
The range of pressure ... ..	0.455		
The total number of hours of bright sunshine during the month	197.1		
The maximum possible number of hours of sunshine ...	408.8		
°			
The mean temperature of the month ... ..	85.0		
The average temperature of May from 24 years' registers ...	86.1		
The highest temperature in the month ... ..	98.9	18th	
The lowest temperature in the month ... ..	65.0	3rd	
The range of temperature during the month ... ..	33.9		
The mean daily range of temperature ... ..	15.2		
The greatest range of temperature in one day ... ..	25.0	3rd	
Per cent.			
The mean humidity of the month ... ..	77		
The average humidity of May from 24 years' registers ...	73		
Inches.			
The mean vapour tension of the month ... ..	0.921		
The average vapour tension of May from 9 years' registers ...	0.933		
The mean cloud proportion of the month ... ..	5.30		
The average cloud proportion of May from 10 years' registers ...	4.61		
Inches.			
The total rainfall of the month ... ..	6.17		
The total rainfall indicated by a Beckley's self-registering rain-gauge (mouth of the gauge about 52 feet above the ground)	4.83		
The average fall of May from 48 years' registers ... ..	5.40		
The greatest fall in 24 hours ... ..	1.33	26th	
Days.			
The number of rainy days in the month ... ..	11		
The average number of rainy days in May from 24 years' registers ... ..	13		
°			
The mean maximum equilibrium temperature of solar radiation during the month ... ..	151.1		
The mean difference of sun and air temperatures ... ..	58.3		
The greatest sun temperature ... ..	158.5	24th	
The greatest excess of sun over air temperature ... ..	64.8	25th	
The mean temperature of the nocturnal radiation thermometer on woollen cloth ... ..	73.7		
The mean depression of the nocturnal radiation thermometer below the minimum air temperature at 4 feet above the ground ... ..	3.8		
The greatest depression of the nocturnal radiation thermometer below the minimum air temperature ... ..	9.3	1st	
Miles.			
The mean movement of the wind per day ... ..	181.0		
The greatest movement of the wind in one day ... ..	473.0	26th	
°			
The greatest movement of the wind in one hour ... ..	30.0	26th mid to 1 A.M.	
The number of hours with winds from each of the 8 points—			
N. 13, N.E. 46, E. 104, S.E. 170, S. 301, S.W. 86, W. 10, N.W. 12, Calm 2.			

The results of observations at the Alipore Observatory are not rigorously comparable with the registers of past years (at the Park-street Observatory). The barometer is about 3 feet higher at Alipore, and, other things being equal, reads therefore .003 lower. The diurnal range of temperature is also greater at Alipore, and the mean temperature apparently about 0.5° higher; and, finally, the thermometer which furnished the record of temperature at the Surveyor-General's Office during 20 years and upwards is found to read 0.6 higher than the Kew standard thermometer, which is the standard of reference at the present Observatory.

A. PEDLER,

METEOROLOGICAL OFFICE, INDIA;  
Calcutta, the 6th June 1887.

For Off. Meteorological Reporter to the Govt. of India.

**Results of the Meteorological Observations taken at the Alipore Observatory from  
29th May to 4th June 1887.**

Month.	Date.	Maximum in 24h.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				Wind.		Miles recorded.	Rain.	Weather.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1887.		°		Inches.	°	°		°	Inches.	°	%				Inches.		
May	29th	151.2	0.2	29.578	85.0	90.4	5.4	80.5	80.8	0.903	79.0	82	S and SSE	...	289	0.02	Chiefly cloudy, o, g, d.
"	30th	149.0	4.7	29.704	84.3	90.9	6.6	80.4	80.3	0.908	78.2	80	S and SSE	...	228	Nil	Chiefly cloudy, o.
"	31st	151.0	3.3	29.668	83.3	89.4	6.1	74.2	79.4	0.919	77.6	82	S and SSE	...	298	0.32	Chiefly cloudy, o, g, p.
June	1st	140.5	Nil	29.345	85.4	88.9	3.5	81.5	80.6	0.954	79.7	81	SSW and S	...	351	Nil	Cloudy, o.
"	2nd	140.8	...	29.529	86.0	89.5	3.5	82.2	81.4	1.012	79.6	81	SSW and S	...	290	...	Cloudy, o.
"	3rd	140.8	0.4	29.559	85.4	89.5	4.1	81.4	81.0	1.000	79.2	82	S and SSW	...	228	0.05	Chiefly cloudy, o, g, d, p.
"	4th	153.1	7.9	29.687	86.2	91.0	4.8	75.2	80.7	0.975	78.5	78	S, SSW and variable	...	215	0.06	Chiefly cloudy, o, p.

The mean pressure of the seven days	...	Inches.	29.616
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	29.582
The total number of hours of bright sunshine	...	Hours.	21.5
The maximum possible number of hours of sunshine	...	...	93.6
The mean temperature of the seven days	...	°	85.3
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	86.6
The extreme variation of temperature	...	...	16.8
The maximum temperature	...	...	91.0
The highest velocity of the wind in one hour	...	Miles.	21
The highest pressure of wind on one square foot	...	Lbs.	Not measurable.
The mean relative humidity	...	%	81
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	76
The total fall of rain from 29th May to 4th June 1887	...	Inches.	0.48
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	1.53
The total fall from 1st January to 4th June 1887	...	...	10.94
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	10.43

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, p passing temporary showers.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 6th June 1887.

Abstract of the results of the Thermometric Observations taken at the Meteorological Office, Chowringhee, in the month of May 1887.

The mean temperature during the month	...	...	84.1	Date.
The highest temperature during the month	...	...	101.5	18th
The lowest temperature during the month	...	...	68.9	3rd
The range of temperature during the month	...	...	37.6	
The mean daily range of temperature during the month	...	...	17.4	
The greatest range of temperature in one day during the month	...	...	27.3	3rd
The mean humidity during the month	...	...	86	%
The mean vapour tension during the month	...	...	9.39	Inches.
The total rainfall of the month	...	...	6.17	
The greatest fall in 24 hours	...	...	1.34	13th
The number of rainy days in the month	...	...	14 days	

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;

Calcutta, the 6th June 1887.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 29th May to 4th June 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.				Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.		
1887.		"	"	"	"		Inches.	"	%	Inches.	
May	29th	84.7	91.6	10.0	81.3	81.1	1.015	79.7	85	0.02	
"	30th	85.1	92.7	11.9	80.4	81.1	1.023	79.9	84	NB.	
"	31st	80.0	91.2	16.0	74.3	78.4	.958	77.0	91	0.43	
June	1st	84.3	91.0	9.2	81.3	81.5	1.035	80.3	87	NB.	
"	2nd	85.3	91.4	9.0	82.1	82.1	1.055	80.9	83	"	
"	3rd	85.7	91.0	9.1	81.9	81.9	1.039	80.4	81	"	
"	4th	84.3	93.5	17.5	75.9	80.3	1.005	79.1	85	0.12	

The mean temperature of the seven days	...	...	84.4	°
The extreme variation of temperature	...	...	19.2	
The maximum temperature	...	...	93.5	
The mean relative humidity	...	...	86	%

The total fall of rain from 29th May to 4th June 1887 ... 0.57

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

The 6th June 1887.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

# MEMORANDUM.

THE principal Municipalities in Bengal (excepting Howrah and Bali from which no returns have been received up to date) returned, during the week ending 21st May 1887, the birth and death-rates of 15.9 and 24.0 per 1,000 of population, respectively, as opposed to 15.2 and 25.5 per 1,000, respectively, in the preceding week ending 14th May, indicating a falling off in the registration of deaths.

2. The highest proportions of births and deaths were returned from the following Municipalities:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	53.9	Comillah	...	61.6
Durbhanga	...	39.3	Gya	...	66.7
Scrampore	...	29.4	Puri	...	59.9
			Suburbs of Calcutta	...	36.8
			Bhagulpore	...	31.7

3. From the subjoined figures taken from the table appended to this memorandum, it appears that during the week under notice the mortality from cholera had on the whole diminished much, but that no noticeable variations in fatal results occurred from the rest of the death-causes:—

				Ratio per mille during the weeks ending—	
				21st May 1887.	14th May 1887.
Cholera	...	...	...	5.5	6.5
Small-pox	...	...	...	4	2
Fever	...	...	...	7.4	8.8
Bowel-complaints	...	...	...	3.2	2.0
Injury	...	...	...	3	2
Other causes	...	...	...	6.7	7.1

4. Of the diseases indicated above, excluding fever and injury, the casualties from which were nowhere large, and small-pox, which proved notably fatal only in the Bhagulpore town, viz., at the rate of 2.7 per 1,000 of population, cholera, bowel-complaints and the maladies grouped under the head of "Other causes," caused the greatest loss of life in the following Municipalities:—

Cholera.		Ratio per mille.	Bowel-complaints.		Ratio per mille.	Other causes.		Ratio per mille.
Comillah	...	15.4	Comillah	...	18.2	Gya	...	22.6
Gya	...	13.6	Puri	...	14.7	Comillah	...	19.2
Suburbs of Calcutta	...	13.2				Puri	...	16.8
Patna	...	8.1				Scrampore	...	15.7
Burdwan	...	6.1						
Durbhanga	...	3.1						

5. The death-rates in relation to Sex, Class and Age were returned at the rates noted below:—

According to Sex.		Ratio per mille.	According to Class.		Ratio per mille.	According to Age.		Ratio per mille.
Males	...	25.2	Christians	...	10.4	Under 1 year	...	177.4
Females	...	22.7	Hindus	...	28.1	1 and under 5 years	...	48.9
Ratio of male deaths to every 100 female deaths	...	123	Mahomedans	...	28.6	5 " " 10 "	...	14.7
			Buddhists	...	24.5	10 " " 15 "	...	11.2
						15 " " 20 "	...	17.2
						20 " " 30 "	...	18.9
						30 " " 40 "	...	14.4
						40 " " 50 "	...	12.1
						50 " " 60 "	...	22.3
						60 years and upwards	...	52.0

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 6th June 1887.

MORTALITY ACCORDING TO—

POPULATION.			BIRTHS.			DISEASE.										DEATHS.			SEX.			
NAMES OF MUNICIPALITIES.			RATIO PER 1,000 OF POPULATION PER ANNUM.			RATIO PER 1,000 OF POPULATION PER ANNUM.			RATIO PER 1,000 OF POPULATION PER ANNUM.										RATIO PER 1,000 OF POPULATION PER ANNUM.		RATIO PER 1,000 OF POPULATION PER ANNUM.	
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Males.			Females.			Total.			Total.			Total.			Total.			Total.		Total.		
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Males.			Females.			Total.			Total.													

A special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1901, was not available owing to the Europeans being at a minimum in that month. The number of the natives residing at home, as it were, in country to re-census them. The ratios have consequently been calculated on the revised population under all heads to the above table, except in 1901. The ratios under which have been omitted, inasmuch as the census of the Europeans above allotted to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.





## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## ORISSA COAST CANAL.

## LENGTH OF CANAL OPEN, 91 MILES.

Statement showing Quantities of Goods carried during the month of April 1887.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity Tons.		Value. Rupees.	Quantity.	Value.		
		Up.	Down.		Tons.	Rupees.		
240	1. Grain ...	2,919	25	2,944	74,117	2,944	74,117	
	2. Cotton ...	.....	.....	.....	.....	.....	.....	
	3. Oilseeds ...	.....	.....	.....	.....	.....	.....	
23	4. Salt ...	2	180	182	10,242	182	10,242	
5	5. Piece goods ...	.....	14	14	14,200	14	14,200	
5	6. Metal ...	.....	10	10	1,225	7	950	
18	7. Building materials ...	164	4	168	452	6	86	
545	8. Miscellaneous ...	101	262	363	31,873	305	31,873	
26	9. Fuel ...	75	130	205	1,972	160	1,892	
1 raft	10. Timber ...	.....	6 c. ft.	6 c. ft.	25	6 c. ft.	25	
7 rafts	11. Bamboos ...	890 c. ft.	.....	890 "	48	890 "	48	
502 & 8 rafts	12. Total ...	3,252 & 890 c. ft.	627 & 6 c. ft.	3,877 & 896 c. ft.	1,54,135	3,676 & 896 c. ft.	1,33,413	
16 and 22 rafts	13. Total of same month last year ...	.....	.....	57,032 & 27,390 c. ft.	85,031	57,597 & 27,390 c. ft.	84,731	

	Up.	Down.	Total.		Rs. A. P.
4. Total number of boats plying cargo ... No.	415	487	902	Total tollage of month— 24+25+26	3,859 0 3
5. Total number of boats plying passenger ... No.	16	19	35	Total tollage of same month last year	2,355 4 3
6. Total registered tonnage, cargo ...	6,008	3,104	9,112	<i>Memorandum of Tollage.</i>	
7. Total registered tonnage, passenger ...	24	30	54		
8. Ton-mileage ...	1,51,005	67,955	218,960		Rs. A. P.
9. Estimated value of cargo Rs.	72,189	61,873	134,062	1. Balance not recovered on the 1st of the month	131 15 0
10. Number of passengers ...	49	68	117	2. Tollage per month	3,359 0 3
11. Rafts, bamboos... c. ft.	890	.....	890	3. Total	3,990 15 3
12. Do., bullaha ... "	.....	6	6		
13. Estimated value of rafts Rs.	48	25	73	4. Amount paid into treasury during the month	3,326 10 0
14. Tollage on boats "	2,656-7-6	1,191-11-5	3,848-3-0	5. Balance due at the end of the month	664 5 3
15. Compounded tollage on boats Rs.	1-7-6	6-0-0	7-7-6		
16. Tollage on rafts "	3-1-9	0-4-0	3-5-9		
17. Total tollage on boats per ton-mile ... Rs.	.....	.....	0-0-3		
18. Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0 6-0		

CALCUTTA,  
The 7th June 1887.

C. W. I. HARRISON, Lieut.-Col., R.E.,  
Offg. Joint-Secretary to the Government of Bengal.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of April 1887.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity - Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
784	1. Grain ...	13,206	.. ..	13,206	8,81,574	13,206	8,81,574
49	2. Cotton ...	446	32	478	47,850	478	47,850
206	3. Oilseeds ...	414	2,651	3,065	2,55,837	3,065	2,55,837
24	4. Salt ...	60	7	67	29,595	67	29,595
92	5. Piece-goods ...	4,203	52	4,255	63,609	4,255	63,609
1,116	6. Metal ...	13,059	729	13,788	15,55,862	13,788	15,55,862
548	7. Building materials ...	11,262	802	12,064	1,04,501	12,064	1,04,501
.....	8. Miscellaneous* ...	.....	.....	.....	.....	.....	.....
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
2,810	12. Total ...	42,650	4,253	46,903	29,32,888	46,903	29,32,888
2,636	13. Total of same month last year ...	.....	.....	38,756	20,73,117	38,756	20,73,117
* For detail see next page.							
		Up.	Down.	Total.	Rs. A.		
14. Total number of boats plying cargo ... No.		2,336	283	2,619	Total tollage of month— 24 + 25 + 26 ... 24,077 12		
14a. Ditto empty ditto ...		.....	.....	2,200	Total tollage of same month last year ... 22,647 14		
15. Total number of boats plying passenger ... No.		115	2	117			
16. Total registered tonnage, cargo ...		1,22,996	10,789	1,33,785	Memorandum of Tollage.		
17. Total registered tonnage, passenger ...		7,450	175	7,625			
18. Ton-mileage ...		.....	.....	.....	Rs. A.		
19. Estimated value of cargo Rs.		26,54,813	2,78,075	29,32,888	1. Balance not recovered on the 1st of the month ... 1,579 11		
20. Number of passengers ..		601	5	606	2. Tollage per month ... 24,077 12		
21. Rafts, bamboos c. ft.		.....	.....	.....	3. Total ... 25,657 9		
22. Do, bullahs „		.....	.....	.....	4. Amount paid into treas- ury during the month ... 25,348 15		
23. Estimated value of rafts ...		.....	.....	.....	5. Balance due at the end of the month ... 308 9		
24. Tollage on boats Rs.		21,434-3-6	2,643-9-0	24,077-12-6			
25. Compounded tollage on boats Rs.		.....	.....	.....			
26. Tollage on rafts „		.....	.....	.....			
27. Total tollage on boats per ton-mile ...		.....	.....	.....			
28. Total tollage on rafts per 100 cubic feet ...		.....	.....	.....			

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

## CALCUTTA AND EASTERN CANALS.

Number of loads or tons.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.			REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupers.	Tons.	Rupers.	
138	(a) Jute ...	3,425	.....	3,425	3,83,624	3,425	3,83,624	
147	(b) Jaggery ...	507	8	515	43,290	515	43,290	
17	(c) Sugar ...	73	.....	73	15,493	73	15,493	
1	(d) Tobacco ...	.....	2	2	375	2	375	
246	(e) Fish ...	121	.....	121	33,817	121	33,817	
5	(f) Hides ...	4	.....	4	1,760	4	1,760	
75	(g) Poultry ...	18	.....	18	20,270	18	20,270	
97	(h) Hay and straw ...	655	.....	655	13,752	655	13,752	
20	(i) Oils ...	.....	198	198	22,200	198	22,200	
40	(k) Earthenware ...	81	7	88	1,230	88	1,230	
450	(m) Other miscellaneous	8,175	514	8,689	10,20,049	8,689	10,20,049	
1,116	Total Miscellaneous...	13,059	729	13,788	15,55,862	13,788	15,55,862	

**PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.**  
**SOUTH-WESTERN CIRCLE.**

**TOLLY'S NULLAH.**

*Statement showing Quantities of Goods carried during the month of April 1887.*

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		
		QUANTITIES—Tons.		Value.	Quantity.	Value.	
		Up.	Down.				
1,120	1. Grain ...	6,741	2	6,743	3,56,418	6,743	3,56,418
8	2. Cotton ...	50	.....	50	25,200	50	25,200
26	3. Oilseeds ...	258	53	200	30,000	291	30,000
69	4. Salt ...	358	408	766	64,350	766	64,350
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
323	7. Building materials ...	2,484	.....	2,484	10,724	2,484	10,724
818	8. Miscellaneous* ...	2,910	87	2,997	2,58,033	2,997	2,58,033
238	9. Fuel ...	3,180	22	3,211	27,275	3,211	27,275
1 raft	10. Timber ...	2 No.	.....	2 No.	80	2 No.	80
7 rafts	11. Bamboos ...	485	.....	485	60	485	60
2,602 & 8 rafts	12. Total ...	15,970 & 487 No.	572	16,542 & 487 No.	7,72,140	16,542 & 487 No.	7,72,140
2,160 & 13 rafts	13. Total of same month last year			12,398 & 947 c. ft.	5,51,442	12,398 & 947 c. ft.	5,51,442
		Up.	Down.	Total.			
14. Total number of boats plying cargo	No.	2,532	70	2,602	Total tollage of month— 24 + 25 + 26 ...		
14a. Ditto empty ditto	.....	.....	.....	688			
15. Total number of boats plying passenger	No.	218	11	229	Total tollage of same month last year ...		
16. Total registered tonnage, cargo	.....	46,040	4,693	50,733			
17. Total registered tonnage, passenger	.....	16,575	825	17,400			
18. Ton-mileage	.....	.....	.....	.....			
19. Estimated value of cargo	Rs.	7,20,379	51,721	7,72,000			
20. Number of passengers	.....	1,311	34	1,345			
21. Rafts, bamboos	c. ft.	485	.....	485			
22. Do., bullahs	.....	.....	.....	.....			
23. Estimated value of rafts	Rs.	140	.....	140			
24. Tollage on boats	.....	8,003-15-3	496-15-6	8,500-14-9			
25. Compounded tollage on boats	Rs.	.....	.....	.....			
26. Tollage on rafts	.....	2-2-0	.....	2-2-0			
27. Total tollage on boats per ton-mile	.....	.....	.....	.....			
28. Total tollage on rafts per 100 cubic feet	.....	.....	.....	.....			
					Memorandum of Tollage:		
					Rs. A.		
					1. Balance not recovered on the 1st of the month	.....	382 14
					2. Tollage per month	.....	8,503 0
					3. Total	.....	8,885 14
					4. Amount paid into treasury during the month	.....	8,582 13
					5. Balance due at the end of the month	.....	303

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

## TOLLY'S NULLAH.

Number of loads or in tons.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.			REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
3	(a) Jute ...	39	...	39	4,400	39	4,400	
64	(b) Jaggery ...	402	...	402	33,750	402	33,750	
3	(c) Sugar ...	12	...	12	2,625	12	2,625	
1k	(d) Tobacco ...	72	10	82	17,250	82	17,250	
73	(e) Fish ...	16	...	16	4,634	16	4,634	
...	(f) Hides ...	...	...	...	...	...	...	
...	(g) Poultry ...	...	...	...	...	...	...	
206	(h) Hay and straw	582	...	582	12,216	582	12,216	
36	(i) Oils ...	244	19	263	29,500	263	29,500	
142	(k) Earthenware .	175	...	175	2,455	175	2,455	
275	(m) Other miscella- neous.	1,368	58	1,426	1,51,203	1,426	1,51,203	
818	Total Miscellaneous ...	2,910	87	2,997	2,58,033	2,997	2,58,033	

**ABSTRACT FOR THE MONTH OF APRIL 1887 AS COMPARED WITH THE  
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

	TRAFFIC, 1887-88.				TRAFFIC, 1886-87.			
	During the month.		To end of the month.		During the month.		To end of the month.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Calcutta and Eastern Canals ...	24,077	12 6	24,077	12 6	22,647	14 0	22,647	14 0
Tolly's Nullah ...	8,503	0 9	8,503	0 9	6,526	1 0	6,526	1 0
Total ...	32,580	13 3	32,580	13 3	29,173	15 0	29,173	15 0

Calcutta,  
The 7th June 1887.

C. W. L. HARRISON, *Lieut. Col., R.E.,*  
*Offg. Joint-Secretary to the Government of Bengal.*

**CIRCULAR AND EASTERN CANALS.**

*Approximate return of traffic for the week ending Saturday, the 4th June 1887, compared  
with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 4TH JUNE 1887.			WEEK ENDING SATURDAY, THE 5TH JUNE 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	257	45,220	733	263	68,760	1,218
Jute ...	4	6,250	122	16	12,576	213
Firewood ...	37	20,640	3 5	187	80,650	1,257
Other articles ...	560	1,21,900	1,714	754	2,51,910	3,610
Total ...	858	1,03,010	2,914	1,220	4,19,896	6,298

## Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month  
March 1887 as compared with the same month of the previous year.

STAPLES.	1887.		1886.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1886.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Betelnuts ... ..	22	44	40	104	407	234	232	...
Coal and coke ... ..	8,661	2,257	7,902	2,178	7,714	8,039	...	717
Cotton, raw ... ..	...	18	...	24	128	241	...	114
Cotton, manufactured—								
1.—Twist and yarn (European) ... ..	...	...	...	...	...	...	...	...
2.—Ditto do. (Indian) ... ..	...	...	...	...	...	...	...	...
3.—Piece-goods (European) ... ..	1,571	931	1,706	178	1,694	1,881	...	289
4.—Ditto do. (Indian) ... ..	...	...	...	...	...	...	...	...
Fibrous Products—								
1.—Jute (sown) ... ..	...	1,836	...	775	1,760	775	281	...
2.—Jute (unsown) ... ..	35	7,603	...	1,531	7,738	6,314	2,902	...
3.—Jute manufactured (gunny-bags and cloth) ... ..	162	1,335	211	211	1,602	1,115	277	...
Grain and Pulse—								
1.—Green and pulse ... ..	...	...	...	...	...	...	...	...
2.—Green and pulse ... ..	...	...	...	...	...	...	...	...
3.—Rice, husked ... ..	1,729	2,215	1,712	1,404	3,074	2,381	...	3,612
Hides and Skins—								
1.—Hides of cattle ... ..	...	...	...	...	...	...	...	...
2.—Hides of sheep, goats and small animals ... ..	10	543	16	228	75	691	115	...
Metals and manufactures of—								
1.—Brass and copper ... ..	...	...	...	...	...	...	...	...
2.—Iron ... ..	1,391	126	3,321	102	1,416	2,191	...	875
3.—Other metals ... ..	...	...	...	...	...	...	...	...
Oil—								
1.—Kerosine oil ... ..	173	19	204	8	185	307	...	129
2.—Other kinds ... ..	311	13	...	...	324	...	313	...
Provisions—								
1.—Rice ... ..	...	...	...	...	...	...	...	...
2.—Other kinds ... ..	504	664	457	157	968	796	248	...
Railway materials ... ..	1,460	1,418	1,799	1,293	2,854	2,788	...	494
Salt ... ..	3,755	10	3,118	15	3,771	3,133	638	...
Seeds—								
1.—Oilseeds—								
a.—Linsed ... ..	...	...	...	...	...	...	...	...
b.—Mustard and rapa ... ..	...	...	...	...	...	...	...	...
c.—Til or groundnut ... ..	...	...	...	...	...	...	...	...
d.—Other oilseeds ... ..	576	2,870	475	6,221	3,125	2,695	...	3,240
Sugar—								
1.—Refined ... ..	...	...	...	...	...	...	...	...
2.—Unrefined ... ..	400	1,610	570	2,547	2,309	2,817	...	508
Tea—								
1.—Indian ... ..	1	22	...	11	23	11	2	...
2.—Foreign ... ..	...	...	...	...	...	...	...	...
Tobacco ... ..	...	749	21	905	774	504	...	151
Wood—								
1.—Timber ... ..	453	40	...	...	493	...	493	...
2.—Firewood ... ..	1,563	1	7,123	32	1,569	7,155	...	749
All other articles of merchandise—								
1.—Unmanufactured ... ..	3,214	1,620	3,603	2,151	4,828	3,803	...	925
2.—Manufactured ... ..	682	...	710	...	692	710	...	118
Hay, straw, wool, &c. (C. & S. E. Section) ... ..	...	...	...	...	...	...	...	...
<b>Total</b> ... ..	<b>21,916</b>	<b>31,157</b>	<b>25,111</b>	<b>31,982</b>	<b>51,073</b>	<b>51,073</b>	<b>1,877</b>	<b>11,807</b>

## INCREASES.

Betelnuts ... ..	232 tons.
Exports to British Burmah. ... ..	...
Jute ... ..	3,176 tons.
Reduced rates and increased facilities to shippers. ... ..	...
Jute manufacture ... ..	277 tons.
Principally from Serajganj. ... ..	...
Grain and pulse ... ..	324 tons.
Ordinary fluctuations. ... ..	...
Kerosine oil ... ..	321 tons.
Increasing demand for up country consumption. ... ..	...
Salt ... ..	638 tons.
For Upper Bengal. ... ..	...
Timber ... ..	493 tons.
Principally for Locomotive Department. ... ..	...

## DECREASES.

Coal and coke ... ..	717 tons.
Ordinary fluctuation in supply for railway and steamer service. ... ..	...
Cotton ... ..	280 tons.
Business of market in the early part of the month. ... ..	...
Rice ... ..	3,612 tons.
Dullness of market. ... ..	...
Railway materials ... ..	494 tons.
Completion of works generally on the Dacca State and Assam-Nihar State Railway. ... ..	...
Seeds ... ..	3,240 tons.
Collapsing of English market in linsed and generally depression in other seeds. ... ..	...
Sugar ... ..	508 tons.
Dullness of market. ... ..	...
Firewood ... ..	799 tons.
Sufficiency of stock in the city. ... ..	...

CALCUTTA, the 17th May 1887.

F. P. QUINLAN, Examiner of Accounts.



## Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of March 1887, as compared with the same month of the previous year.

STATES.	1887.		1886.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1886.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Betelnuts	1	965	1	171	204	172	194	...
Coal and coke	1,425	...	1,405	17	1,445	1,519	...	86
Cotton, raw	...	...	2	2	...	4	...	...
Cotton, manufactured—								
1.—Twist and yarn (European)	...	...	...	...	...	...	...	...
2.—"do. (Indian)	...	...	...	...	...	...	...	...
3.—Piece-goods (European)	...	...	...	...	...	...	...	...
4.—"do. (Indian)	159	2	212	1	141	213	...	72
Flax products								
1.—Jute (screwed)	...	3	...	...	6	...	9	...
2.—"do. (unscrewed)	...	219	...	51	269	63	217	...
3.—Jute manufactured (gunny-bags and	...	...	...	...	...	...	...	...
4.—"do. (other)	21	3	22	4	29	26	...	3
Grain and Pulse—								
1.—Grain and pulse	15	1,604	31	673	1,709	804	905	...
2.—Rice, husked	2	257	12	31	259	43	216	...
Hides and Skins—								
1.—Hides of cattle	...	...	...	36	41	24	9	...
2.—Skins of sheep, goats, and small animals	...	41	...	...	...	...	...	...
Metals and manufactures of—								
1.—Brass and copper	...	...	...	...	...	...	...	...
2.—Iron	49	23	43	22	72	70	2	...
3.—Other metals	...	...	...	1	72	64	8	...
Mineral oil	72	...	63	...	...	...	...	...
Provisions—	63	...	...	...	65	...	66	...
1.—Ghee	...	...	...	...	...	...	...	...
2.—Other kinds	785	167	107	...	842	884	118	...
Railway materials	712	200	1,702	186	921	1,828	...	1,007
Salt	300	...	171	...	300	171	130	...
Seeds—								
1.—Oilseeds—								
a.—Linseed	...	...	...	...	...	...	...	...
b.—Mustard and rape	...	...	...	...	...	...	...	...
c.—Til or kinchilly	...	...	...	...	...	...	...	...
d.—Other oilseeds	455	618	364	1,109	1,003	1,659	...	356
Sugar—								
1.—Refined	...	...	...	...	...	...	...	...
2.—Unrefined	47	1,055	37	1,568	1,105	1,535	...	430
Tobacco	22	17	29	1	50	30	9	...
Wood—								
1.—Timber	...	...	...	...	...	...	...	...
2.—Firewood	18	4	38	19	24	67	...	33
All other articles of merchandise—								
1.—Unmanufactured	...	...	...	...	...	...	...	...
2.—Manufactured	...	...	...	...	...	...	...	...
Total	3,889	4,361	4,369	4,217	8,250	9,076	1,327	2,063

## INCREASES.

Betelnuts	...	...	...	...	...	194 tons.
Booked through from B. C. Flotilla for British Burma.	...	...	...	...	...	...
Jute	...	...	...	...	...	217 tons.
Principally from Khulna.	...	...	...	...	...	...
Grain and Pulse	...	...	...	...	...	421 tons.
Crops good in these parts.	...	...	...	...	...	...
Salt	...	...	...	...	...	135 tons.
Absence of demand.	...	...	...	...	...	...

## DECREASES.

Railway materials	...	...	...	...	...	1,007 tons.
Completion of the work of packing bridges on B. C. Railway with stone from Khooshtea.	...	...	...	...	...	...
Seeds	...	...	...	...	...	356 tons.
Depression of home and local trade.	...	...	...	...	...	...
Sugar	...	...	...	...	...	430 tons.
Dulness of market.	...	...	...	...	...	...

CALCUTTA, the 19th May 1887.

F. P. QUINLAN, Examiner.

## Dacca State Railway.

Abstract of principal commodities carried over the Dacca State Railway during the month of March 1887, as compared with the same month of the previous year.

STAPLES.	1886.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1886.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Steel-rolls ... ..	...	1	24	...	1	24	23	...
Cotton manufactured—								
(1). Twist and yarn (European) ... ..	...	...	...	...	...	...	...	...
(2). Ditto (Indian) ... ..	...	...	...	...	...	...	...	...
(3). Piece-goods (European) ... ..	60	1	63	1	69	64	...	...
(4). Ditto (Indian) ... ..	...	...	...	...	...	...	...	...
Fibrous products—								
(1). Jute (unscoured) ... ..	...	42	...	393	42	393	351	...
(2). — manufactured (gunny-bags and cloth) ... ..	...	6	...	...	4	...	...	...
Gum and pulse—								
(1). Grain and pulse ... ..	20	...	4	10	20	14	...	6
(2). Rice, husked ... ..	...	3	5	2	5	2	...	...
Hides and skins—								
(1). Hides of cattle ... ..	...	6	...	11	6	11	5	...
(2). Skins of sheep, goats and small animals ... ..	...	...	...	...	...	...	...	...
Metals and manufactures of—								
(1). Brass and copper ... ..	...	...	...	...	...	...	...	...
(2). Iron ... ..	40	...	10	1	40	17	...	32
(3). Other metals ... ..	...	...	...	...	...	...	...	...
Engineering ... ..	1	...	...	...	1	...	...	1
Provisions—								
(1). Rice ... ..	7	...	20	...	7	20	43	...
(2). Other kinds ... ..	...	...	...	...	...	...	...	...
Railway materials ... ..	1,173	980	36	13	2,164	40	...	2,104
Salt ... ..	1	...	7	...	1	7	6	...
Seeds—								
(1). Oilseeds—								
(a). Linseed ... ..	...	...	...	...	...	...	...	...
(b). Mustard and rapa ... ..	...	...	...	...	...	...	...	...
(c). Tn or khigolly ... ..	...	...	...	...	...	...	...	...
(d). Other oilseeds ... ..	...	...	...	...	...	...	...	...
(2). Other seeds—								
(a). Indigo seed ... ..	...	...	2	15	...	20	20	...
(b). Tea seed ... ..	...	...	...	...	...	...	...	...
(c). Other kinds ... ..	...	...	...	...	...	...	...	...
Sugar—								
(1). Refined ... ..	0	...	0	...	0	0	3	...
(2). Unrefined ... ..	...	...	...	...	...	...	...	...
Wool—								
(1). Timber ... ..	...	...	6	...	...	6	6	...
(2). Firwood ... ..	...	...	60	11	...	77	...	...
All other articles of merchandise—								
(1). Unmanufactured ... ..	330	38	163	55	304	219	...	120
<b>Total</b> ... ..	<b>1,655</b>	<b>1,077</b>	<b>440</b>	<b>515</b>	<b>2,792</b>	<b>944</b>	<b>304</b>	<b>2,272</b>

## INCREASES.

Jute ... .. 351 tons,  
 Principally from Mysensingh.

## DECREASES.

Railway materials ... .. 2,104 tons,  
 Completion of construction works generally.

F. P. QUENLAN, Examiner.

CALCUTTA, the 17th May 1887.

## Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of April 1887, as compared with the same month of the previous year.

STAPLES	1886.		1887.		1886.	1887.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Coal	560	...	673	...	560	663	53	...
Cotton, raw	13	...	18	1	13	19	6	...
Cotton piece-goods—								
1. Europeans	51	...	79	1	51	80	29	...
Drugs and chemicals—								
1. Intersecting other than opium	...	...	2	...	...	2	2	...
Jute—								
1. Gunny-bags and cloths	...	...	19	7	...	26	26	...
Grains—								
1. Rice	41	105	60	288	140	316	192	...
2. Others	...	...	0	13	...	22	...	...
Hides and skins—								
1. Hides of cattle—								
a. Dressed	...	...	...	4	...	4	4	...
Leather, manufactured	...	...	3	...	...	3	3	...
Liquors—								
1. Wine	...	...	2	...	...	2	2	...
Metals—								
1. Iron	5	1	3	...	6	3	2	...
2. Others	...	...	0	...	...	0	...	...
Oils—								
1. Castor	...	...	1	...	...	1	1	...
2. Others	...	...	2	...	...	2	2	...
Provisions—								
1. Wheat	...	...	3	...	...	3	3	...
2. Dried fruits and nuts	...	...	2	...	...	2	2	...
Railway plant and rolling-stock	33	2	52	5	35	67	32	...
Salt	4	...	10	...	4	10	6	...
Oilseeds—								
1. Linseed	...	...	12	6	...	18	...	...
2. Mustard and rape	39	235	9	...	27	11	...	27
3. Others	...	...	10	...	...	16	...	...
Silk, raw—								
1. Indian	1	16	4	16	17	19	2	...
Silk piece-goods—								
1. Indian	...	...	...	6	...	6	4	...
Sugar—								
1. Drained	...	9	56	...	0	26	19	...
2. Undrained	...	...	3	...	...	2	...	...
Paper and pasteboard	...	...	1	...	...	1	1	...
All other articles of merchandise	125	72	100	26	197	117	...	182
Total	907	435	1,003	349	1,345	1,432	391	408

## INCREASE.

Tons.

Coal	53
This increase is due to excessive brick burning.	
Cotton piece-goods—1. Europeans	29
This increase is due to river communication being stopped for want of sufficient water.	
Gunny-bags	26
This increase is due to this being included into sundries last year.	
Grains—Rice	192
The increase in this staple is due to plentiful crops and larger export from intermediate stations—	
Needu and Bokharu.	
Railway plant and rolling-stock	32
This increase is due to more materials carried during the month.	
Sugar	19
This increase is due to favorable rate at Azimganj.	

## DECREASE.

Tons.

Oilseeds	27
This decrease is due to less demand.	

NALHATI, the 31st May 1887.

R. G. MOOKERJEE, Manager.

## Weekly Return of Traffic Receipts on Indian Railway.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 29th May 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	237,104	2,20,663 1 0	29,74,282 10	6,76,900 7 0	21,840 3 0	10,24,351 11 0	64,820	123,030 1	187,850 2
Or per mile of railway ...	156	140 2 5	19,554 10	444 15 0	14 0 2	6,743 5 5	...	...	...
For previous 20 weeks of half-year ...	5,178,743	59,20,250 3 0	5,41,32,112 50	1,39,05,000 10 0	3,70,292 3 4	2,01,07,119 0 7	1,379,616	2,288,090 2	3,667,706 2
Total for 21 weeks ...	5,415,847	61,40,913 4 0	5,71,06,422 0	1,45,71,500 1 3	3,84,132 6 1	2,11,27,590 11 7	1,444,236	2,411,120 4	3,855,356 4
COMPARISON.									
Total for corresponding week of previous year ...	241,101*	2,20,416 3 4*	29,71,404 20	7,41,007 3 0	22,400 15 0	10,19,023 6 4	66,703	134,813	201,516
Per mile of railway corresponding week of previous year ...	...	140 4 1	...	480 2 0	14 12 8	673 5 0	...	...	...
Total to corresponding date of previous year ...	5,151,236*	60,43,054 7 10	5,07,10,836 30	1,40,40,031 13 0	4,02,200 15 0	2,10,51,306 3 10	1,418,270	2,492,840	3,911,110

\* The coaching traffic for the corresponding period of 1886 includes traffic on account of running of troop extra and ordinary special trains.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 29TH MAY 1886.			RECEIPTS FOR WEEK ENDING 29TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 29TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 29TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,516	Rs. 10,19,923	Rs. 673	1,519	Rs. 9,24,362	Rs. 600	1,815	Rs. 86,98,851	Rs. 5,702	1,519	Rs. 83,97,178	Rs. 5,529	Rs. ....	2,61,673

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th May 1887, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,162	6,263 7 0	46,404 0	8,100 1 0	49 5 0	8,149 6 0	1,454	940	2,394
Or per mile of railway ...	196	107 0 4	800 10	140 10 0	0 13 0	140 10 0	...	...	...
For previous 20 weeks of half-year ...	247,620	1,51,552 6 0	11,82,457 20	70,122 6 0	1,101 7 0	2,02,756 3 0	58,706	19,621	78,327
Total for 21 weeks ...	258,782	1,57,815 13 0	12,28,911 20	78,122 7 0	1,150 12 0	2,03,906 11 0	60,160	20,561	80,721
COMPARISON.									
Total for corresponding week of previous year ...	12,780†	6,678 0 1	55,206 0	671 15 0	24 0 3	6,874 14 4	1,514	955	2,469
Per mile of railway corresponding week of previous year ...	224	98 4 4	851 50	11 11 11	0 6 11	111 7 2	...	...	...
Total to corresponding date of previous year ...	280,574	1,46,259 11 1	11,99,232 50	70,280 12 0	1,050 13 0	2,04,385 5 0	55,274	19,425	74,700

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 29TH MAY 1886.			RECEIPTS FOR WEEK ENDING 29TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 29TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 29TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
57½	Rs. 6,275	Rs. 111	57½	Rs. 5,436	Rs. 147	57½	Rs. 63,180	Rs. 1,090	57½	Rs. 63,385	Rs. 1,167	Rs. ....	2,631

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 28th May 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,558	883 18 0	15,020 20	507 2 0	9 9 0	1,190 8 0	2364	237	4034
Or per mile of railway	.....	48 10 5	.....	40 12 8	0 12 9	99 8 4	.....	.....	.....
For previous 20 weeks of half-year	60,922	10,215 1 0	4,05,808 10	11,274 13 0	172 3 9	21,662 1 9	8,674	9,351	9,941
Total for 21 weeks	64,480	10,598 14 0	4,20,828 30	11,781 15 0	181 12 9	22,852 9 9	9,915	9,581	10,496
COMPARISON.									
Total for corresponding week of previous year	3,134	624 0 11	17,879 20	760 0 0	23 5 0	1,420 10 11	231	273	401
Per mile of railway corresponding week of previous year	.....	44 0 1	.....	61 1 9	1 15 1	110 0 11	.....	.....	.....
Total to corresponding date of previous year	60,737	10,408 3 2	4,98,071 0	12,846 0 0	99 4 9	24,209 13 11	4,459	6,233	10,691

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 28TH MAY 1886.			RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 28TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
12	Rs. 1,321	Rs. 110	12	Rs. 1,191	Rs. 99	12	Rs. 12,560	Rs. 1,046	12	Rs. 10,041	Rs. 837	.....	Rs. 2,015

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 28th May 1887, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	5,748	4,425 5 0	1,02,181 0	4,281 3 0	134 6 0	5,904 14 0	700	1,583	2,283
Or per mile of railway	.....	52 1 8	.....	57 4 7	1 12 9	121 3 0	.....	.....	.....
For previous 20 weeks of half-year	118,719	30,021 11 0	20,91,084 10	33,151 14 0	2,205 13 0	1,63,229 6 0	14,971	24,271	39,242
Total for 21 weeks	124,467	30,547 0 0	21,70,145 10	34,437 1 0	2,340 3 0	1,65,568 3 0	15,672	25,054	40,726
COMPARISON.									
Total for corresponding week of previous year	4,941	3,375 3 9	81,021 30	3,910 4 0	63 8 3	7,349 0 0	645	1,445	2,090
Per mile of railway corresponding week of previous year	.....	45 2 0	.....	52 4 3	0 13 7	98 4 0	.....	.....	.....
Total to corresponding date of previous year	118,966	31,071 3 2	17,30,441 10	26,423 15 6	2,148 6 0	1,70,296 8 8	20,445	21,424	40,573

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 28TH MAY 1886.			RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 28TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
74½	Rs. 2,249	Rs. 98	74½	Rs. 2,015	Rs. 124	74½	Rs. 63,130	Rs. 848	74½	Rs. 71,007	Rs. 948	Rs. 7,671	.....

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 28th May 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	16,808	4,236 2 0	8,777 10	819 15 0	7 7 0	4,546 8 0	142	00	968
Or per mile of railway ...	180 1 11			15 3 11	0 5 4	206 11 2			
For previous 20 weeks of half-year ...	408,267	1,08,896 9 0	1,88,539 8 0	6,760 11 0	131 7 9	1,14,679 11 9	28,166	898	10,804
Total for 21 weeks ...	425,075	1,13,132 11 0	1,97,317 0	7,579 10 0	138 14 9	1,15,181 3 9	28,308	898	20,802
COMPARISON.									
Total for corresponding week of previous year ...	18,918	4,852 14 0	7,851 3 0	298 1 0	10 14 0	5,261 13 0	624	44	908
Per mile of railway corresponding week of previous year ...	222 9 7			15 6 4	0 7 10	238 7 9			
Total to corresponding date of previous year ...	437,881	1,10,353 10 11	2,20,809 20	7,083 12 0	148 1 2	1,23,435 8 4	21,330	2,470	23,800

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 28TH MAY 1886.			RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 28TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	1,462	250	22½	4,655	265	22½	52,137	2,343	22½	48,622	2,185	...	5,515

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 28th May 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	8,127	1,406 12 6	38,516 10	2,518 3 0	23 0 0	3,944 15 6	170	403	630
Or per mile of railway ...	23 7 6			59 15 4	0 9 6	94 0 4			
For previous 20 weeks of half-year ...	51,338	26,854 2 6	10,05,404 10	63,967 3 0	677 6 3	80,435 12 5	3,820	12,604	16,834
Total for 21 weeks ...	59,465	28,260 15 0	10,43,920 20	66,485 6 0	700 6 3	84,379 11 0	4,190	13,007	17,407
COMPARISON.									
Total for corresponding week of previous year ...	2,760	1,114 9 6	18,088 10	2,227 0 0	21 6 0	3,363 5 6	312	216	588
Per mile of railway corresponding week of previous year ...	65 8 7			53 0 7	0 8 2	80 1 4			
Total to corresponding date of previous year ...	19,500	8,700 14 5	1,37,204 0	10,280 12 3	196 4 3	10,195 14 11	2,600	2,295	4,905

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 28TH MAY 1886.			RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 28TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
42	2,363	50	42	8,940	91	42	19,198	457	42	36,809	870	17,614	...

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS)

Approximate Return of Traffic for week ending 21st May 1887, on 645 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including Stamp-duty.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	110,415	62,125 0 0	5,46,753 0	68,140 0 0	9,720 0 0	1,33,015 0 0	20,177	14,998	35,175
Or per mile of railway	171	96 0 0	848 0	106 0 0	15 0 0	206 0 0	31	23	54
For previous 10 weeks of half-year	2,602,817	12,08,800 0 0	1,40,16,561 0	14,60,821 0 0	2,45,556 0 0	29,21,370 0 0	874,985	360,587	1,235,572
Total for 20 weeks	2,710,232	12,69,124 0 0	1,45,63,314 0	15,28,961 0 0	2,55,276 0 0	30,84,237 0 0	905,182	385,585	1,290,767
COMPARISON.									
Total for corresponding week of previous year	122,053	63,845 0 0	5,11,290 0	75,281 0 0	13,905 0 0	1,49,021 0 0	17,317	35,448	52,765
Per mile of railway corresponding period of previous year	201	99 0 0	844 0	124 0 0	21 0 0	233 0 0	27	55	82
Total to corresponding date of previous year	2,604,330	11,78,321 0 0	1,40,82,920 0	14,60,512 0 0	2,40,485 0 0	29,04,316 0 0	848,153	422,067	1,270,220

\* Audited up to week ending 15th March 1887.

NOTE.—Dacca and Assam-Bihar sections are also published separately.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
608	1,43,021	235	646	1,33,015	206	608	16,55,460	272	615	9,87,146	210	.....	38,321

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 25th May 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	23,341	8,400 0 0	64,000 0	3,500 0 0	11 0 0	11,904 0 0	3,786	1,454	5,240
Or per mile of railway	187	67 0 0	512 0	28 0 0	1 0 0	95 0 0	30	12	42
For previous 20 weeks of half-year	503,410	1,70,476 0 0	8,02,434 0	21,781 0 0	341 0 0	22,22,100 0 0	70,384	28,919	99,303
Total for 21 weeks	526,751	1,78,876 0 0	8,66,434 0	25,282 0 0	1,401 0 0	23,56,108 0 0	80,140	30,343	1,10,483
COMPARISON.									
Total for corresponding week of previous year	22,780	8,380 0 0	76,367 0	1,903 0 0	28 0 0	10,378 0 0	3,944	1,260	5,204
Per mile of railway, corresponding period of previous year	180	67 0 0	611 0	15 0 0	0 0 0	83 0 0	31	10	41
Total to corresponding date of previous year	524,781	1,71,250 0 0	8,01,386 0	40,937 0 0	620 0 0	22,83,515 0 0	76,141	28,907	1,05,048

\* Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 20TH MAY 1886.			RECEIPTS FOR WEEK ENDING 25TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 20TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 25TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	10,875	86	125	11,900	95	125	80,440	64	124	93,264	75	1,794	.....

## DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 21st May 1887, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,668	3,950 0 0	5,000 0	450 0 0	40 0 0	4,440 0 0	2,141	803	2,944
Or per mile of railway ...	135	45 0 0	58	5 0 0	.....	51 0 0	.....	.....	.....
For previous 19 weeks of half-year ...	247,805	63,615 0 0	9,54,251 0	27,638 0 0	2,520 0 0	1,13,631 0 0*	42,181	21,872	64,053
Total for 20 weeks ...	259,473	67,465 0 0	9,59,251 0	28,088 0 0	2,560 0 0	1,15,072 0 0	44,362	22,650	67,012
COMPARISON.									
Total for corresponding week of previous year ...	2,014	2,792 0 0	2,230 0	374 0 0	78 0 0	3,218 0 0	935	307	1,242
Per mile of railway, corresponding week of previous year ...	106	33 0 0	26 0	4 0 0	.....	37 0 0	.....	.....	.....
Total to corresponding date of previous year ...	192,754	53,236 0 0	5,16,922 0	27,850 0 0	4,870 0 0	89,000 0 0	16,771	33,042	50,813

\* Audited up to week ending 5th March 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 22ND MAY 1886.			RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 22ND MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 21ST MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
...	3,245	36	86	4,440	52	86	22,608	54	86	33,705	56	1,607	.....

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 29th May 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,315	925 14 1	6,207 10	603 0 0	10 4 0	1,437 9 1	509	255	764
Or per mile of railway ...	80	33 14 0	231 0	18 6 0	0 0 0	53 12 0	.....	.....	.....
For previous 20 weeks of half-year ...	60,020	22,507 1 11	2,59,694 30	14,940 10 0	603 12 0	38,001 7 11	10,263	6,740	17,003
Total for 21 weeks ...	62,335	23,521 0 0	2,65,901 0	15,540 0 0	610 0 0	39,400 0 0	10,761	7,005	17,766
COMPARISON.									
Total for corresponding week of previous year ...	2,400	1,111 1 3	6,071 20	624 0 0	6 2 0	1,013 12 3	509	255	764
Per mile of railway corresponding week of previous year ...	88	40 12 0	223 0	19 4 0	0 6 0	36 0 0	.....	.....	.....
Total to corresponding date of previous year ...	54,720	21,791 13 0	1,73,333 10	13,085 13 6	600 6 5	35,411 2 11	10,834	6,625	16,459

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 29TH MAY 1886.			RECEIPTS FOR WEEK ENDING 29TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 29TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 29TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,044	80	27½	1,038	63	27½	11,897	540	27½	10,029	674	744	.....



## ASSAM-BEHAR STATE RAILWAY.

## PUENBEE SECTION.

Approximate Return of Traffic for week ended 31st May 1887, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2,540	295 0 0	29,084 0	2,040 0 0	20 0 0	3,785 0 0	470	608	1,078
Or per mile of railway	65	7 5 0	746 0	52 0 0	0 0 0	97 0 0	12	15	27
For previous 6 weeks of half-year	10,217	5,850 0 0	1,45,574 0	14,450 0 0	80 0 0	20,091 0 0	2,654	3,322	5,976
Total for 7 weeks	12,757	6,145 0 0	1,74,658 0	17,390 0 0	100 0 0	23,846 0 0	3,124	3,930	7,054
COMPARISON.									
Total for corresponding week of previous year	11,000	5,000 0 0	1,50,000 0	15,000 0 0	100 0 0	20,100 0 0	2,500	3,000	5,500
Per mile of railway corresponding period of previous year	28	12 5 0	3846 0	33 3 0	0 0 0	51 4 0	10	12	22
Total to corresponding date of previous year	110,000	50,000 0 0	1,500,000 0	150,000 0 0	1,000 0 0	200,000 0 0	25,000	30,000	55,000

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 18th			RECEIPTS FOR WEEK ENDING 21st May 1887.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO WEEK ENDING 18th			TOTAL RECEIPTS FROM 1st APRIL 1887 TO WEEK ENDING 21st May 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	P.		Rs.	P.		Rs.	P.		Rs.	P.	Rs.	P.
20	3,785	0	30	5,850	0	20	23,846	0	30	23,846	0	23,846	0

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 28th May 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 249 miles open	38,453	13,450 0 0	2,01,708 0	19,755 0 0	3,800 0 0	37,074 0 0	9,340	9,270	18,610
Or per mile of railway	154	54 1 0	810 0	79 5 0	15 2 0	130 7 0	37	37	74
For previous 20 weeks of half-year	771,619	2,39,463 0 0	31,25,054 0	3,30,008 0 0	62,514 0 0	6,90,340 0 0	112,719	117,069	229,788
Total for 21 weeks	810,072	2,52,913 0 0	33,26,772 0	3,49,763 0 0	66,314 0 0	7,27,819 0 0	119,059	126,338	245,397
COMPARISON.									
Total for corresponding week of previous year on 245 miles open	30,024	14,816 6 8	1,70,639 0	15,678 10 0	3,778 0 0	33,639 0 8	8,627	6,100	14,727
Per mile of railway corresponding week of previous year	123	60 8 0	698 0	63 11 0	15 2 0	137 5 0	35	25	60
Total to corresponding date of previous year	747,103	2,44,609 10 4	27,09,610 10	2,77,729 13 0	63,440 12 8	6,85,689 4 5	100,817	107,491	208,308

\* Steam-haul earnings excluded in calculating "Total earnings per mile of railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 20th May 1887.			RECEIPTS FOR WEEK ENDING 28th May 1887.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 20th May 1887.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 28th May 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	P.		Rs.	P.		Rs.	P.		Rs.	P.	Rs.	P.
246	33,600	137	249	57,074	140	246	3,70,786	1,181	249	3,16,286	1,269	38,500	155

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 28th May 1887	...	...	...	...	...	Rs.
Corresponding week last year	...	...	...	...	...	8,343
						12,488
Decrease	...	...	...	...	...	4,145
Receipts from 1st January to 28th May 1887	...	...	...	...	...	1,00,879
From 1st January to 29th May 1886	...	...	...	...	...	1,88,800
Decrease	...	...	...	...	...	27,921
Miles open, week ending 28th May 1887	...	...	...	...	...	Miles.
Corresponding week last year	...	...	...	...	...	51
						507
Increase	...	...	...	...	...	456
Receipts per mile open, week ending 28th May 1887	...	...	...	...	...	Rs. A P.
Corresponding week last year	...	...	...	...	...	193 3 0
						246 1 3
Decrease	...	...	...	...	...	82 13 9

CHIEF OFFICE, DARJEELING, the 4th June 1887.

D. L. PARSTAGE, for Secretary, D. H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 15, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### EXTENSION OF THE LOWER CIRCULAR ROAD CEMETERY.

The subjoined Resolution is published for general information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secretary to the Govt. of Bengal,*

*P. W. Dept.*

*Darjeeling, the 7th June 1887.*

#### READ—

The following papers relative to the extension of the Lower Circular Road Cemetery in Calcutta:—

Extract [paragraphs 9 and 10] from a letter from the Chairman of the Burial Board, dated the 13th February 1886.

Extract [paragraphs 7 and 8] from a letter from the Chairman of the Burial Board, dated the 25th June 1886.

Extract [paragraph 12] from the proceedings of the Burial Board at a meeting held on the 14th June 1886.

Memorandum No. 121MM, dated the 22nd October 1886, with enclosures, from the Commissioner of the Presidency Division.

A memorial, dated the 3rd November 1886, from the residents of Baniapooker.

Letters No. 1811B, dated the 16th December 1886, to the residents of Baniapooker, and No. 1812B, of the same date, to the Commissioner of the Presidency Division.

Letter dated the 18th January 1887, with enclosures, from the Chairman of the Burial Board.

Last year the Burial Board brought to the notice of the Government that the available ground in the Circular Road Cemetery would be filled in less

than two years, and urged that early steps should be taken to acquire more land in order that it might be drained and laid out ready for use before the expiry of that period. Enquiries were thereupon instituted regarding the cost of acquiring a sufficient area of land for the extension of the Cemetery, and in January 1887 a report on the subject was received from the Burial Board. After considering various alternatives, the Board arrived at the conclusion that, notwithstanding the large expenditure that such a course would involve, the best solution of the question would be to expropriate sufficient ground for an extension of the Cemetery, calculated to last for more than 20 years to come, and recommended that measures should be taken to this end.

In the meantime, memorials were submitted by the residents of Baniapooker and its vicinity protesting against the proposed extension on sanitary and other grounds. The memorialists were informed that enquiries were being made with respect to the value of the land that would be required for the extension, and that, when information was received on that point, their representations would receive due attention.

The whole subject has now had the careful consideration of the Government. The Circular Road Cemetery was opened in 1838, and on the recommendation of a Committee which sat in 1866, it was extended some years later (in 1875-76) to its present size. Since that time, the land in the neighbourhood has risen in value, while the means of communication with the outskirts of the town have been improved, and a higher degree of sanitation is aimed at. It has therefore become a question for consideration whether it would not be better, instead of extending the present Cemetery, to establish a new one further removed from the heart of the town. In considering this alternative, it has to be borne in mind that, with such a climate as prevails in Calcutta for several months of the year, any increase in the distance of the Cemetery from the town would entail grave inconvenience and additional expense, the burden of which would fall heavily on the poorer classes. It would only be by selecting ground in the direction of the Armenian Cemetery, which is to the north-east of the Circular Road Cemetery, that these disadvantages could be minimized, and it is open to doubt whether the saving that could be effected in first cost by taking up land in that locality would not be counterbalanced by the cost of keeping up for some years to come a dual establishment. On sanitary grounds there is much to be said in favour of increasing the distance of burial places from the more thickly populated parts of the town; but it has not been established that the existing Cemeteries have had a prejudicial effect on the sanitary condition of the neighbourhood, and until the suburban area is greatly improved in other respects, the presence of a well-kept Cemetery within its limits will rank as a minor evil.

On the above grounds the Lieutenant-Governor would have been inclined to accept, without further question, the recommendation of the Burial Board to extend the existing Cemetery, but the financial exigencies of the present time make the question of first cost of primary importance, and on this account it may be necessary to adopt a different course. Hitherto the cost of acquiring and preparing land for Cemeteries in Calcutta has been provided by the Government, this outlay being partially repaid under a system that has been in force for half a century of charging fees for monuments and graves. Latterly, however, the fees received on this account have not been sufficient to cover the expenditure incurred by the Burial Board on establishments and the maintenance of the Cemeteries, and it has been necessary for the Government to supplement the funds of the Board by an annual grant-in-aid. So far back, however, as 1868 it was laid down that the Government would on no account bear the whole cost of providing burial grounds for the community of Calcutta, and Sir Stuart Bayley is decidedly of opinion that it would not be right, even if the Provincial Government could afford it, to provide such a large sum as that now required at the cost of the general tax-payer. Whatever form may be decided on for the extension, it will be necessary to bear this consideration in mind, and to make provision for increasing the income of the Burial Board at the cost of the community for which the Cemeteries are maintained.

These being the conditions, it needs but little consideration to show that the financial difficulties in the way of making an extension on a large scale

would be very great, and the question arises whether it would not be possible to economise space by a different disposition of the graves. With this object in view, the Committee which sat in 1866 recommended that masonry graves should be built in the form of cells in one large vault which, when filled up and closed in, would form a sort of continuous terrace on which monuments might be erected. Such a plan, the Committee considered, while economizing space by its uniformity and compactness, would have the further advantage of making the graves secure and lasting, and preventing the unsightly appearance caused in Cemeteries by graves falling into ruins. At the present time, economy of space is all-important, and though the Committee's plan was neglected 20 years ago, when the difficulty of providing ground was not so much felt, it may now, subject to any further modifications, be deemed worthy of more careful consideration. A visit to the old Cemeteries will convince anyone that the system hitherto in vogue has many defects, and to such a large migratory population as that of Calcutta, a well-designed arrangement, which would ensure the permanency of the graves and monuments without requiring constant attention from the friends of the deceased, would be a welcome boon. Such an arrangement would not necessarily put a stop to the use of entirely separate graves, but for these a proportionately higher ground fee would have to be paid.

The main considerations governing the problem have now been stated, and the Lieutenant-Governor is of opinion that, before moving further in the matter, a representative Committee should be appointed to consider and report on the following points:—

- I.—By what means the additional ground required for Christian Cemeteries can be most suitably and economically provided; whether by extending the Lower Circular Road Cemetery or establishing a new one elsewhere.
- II.—The possibility of economy in the use of space by adopting an arrangement of graves different to that which has hitherto been in use.
- III.—The period for which provision should now be made, and whether the land required for the full period should be acquired at once or taken up by degrees as the necessity arises.
- IV.—The cost of carrying out the scheme recommended by the Committee, inclusive of the value of the land and the expenditure to be incurred in enclosing it and making it fit for use, and the cost of mortuary chapels, lych gates, approaches, &c.
- V.—The means by which the project can best be carried out financially; whether by making a loan to the Burial Board, leaving it to that body to propose such an increased scale of fees for masonry graves as would enable it to pay the interest and sinking fund charges, or whether by any other plan.

The following gentlemen are accordingly appointed to form a Committee for this purpose:—

The Chairman of the Burial Board	...	President.
The Senior Chaplain of St. John's Church	...	Members.
The Rev. N. Hengesch	...	
The Rev. G. G. Gillan	...	
Mr. W. C. Madge	...	
Mr. W. Rigordy	...	
The Health Officer of the Corporation	...	
The Chairman of the Suburban Municipality	...	Secretary.
The Superintendent of Works, Calcutta	...	
Mr. W. B. Gwyther, Assistant Engineer	...	

Copies of the report of the Committee which sat in 1866, and of the recent correspondence cited, will be forwarded to the Secretary, and the Lieutenant-Governor trusts that, after considering the subject in all its bearings, the Committee will be able to recommend a solution of this important question, which will be satisfactory to all the interests concerned.

C. M. BROWNE, Colonel, R.E.,  
*Offg. Secretary to the Government of Bengal,*  
*P. W. Dept.*

## CYCLONE IN THE BAY OF BENGAL.

The 14th June 1887.—The following papers on the late cyclone in the Bay of Bengal are published for general information.

COLMAN MACAULAY

Secretary to the Government of Bengal.

No. 2092, dated Calcutta, the 2nd June 1887.

From—CAPTAIN A. W. STIFFE, R.M., Port Officer of Calcutta,

To—The Secretary to the Government of Bengal, Financial Department.

I HAVE the honour to submit the following report of a severe cyclone, of which the centre passed over the Sandheads and pilot station.

2. From the 20th May a storm was reported by the Meteorological Department as forming in the bay. Owing to the regrettable absence of any station at the Andamans it was not possible to speak positively as to its location or extent.

3. Further, on the 24th, 25th, 26th and 27th May no reports were received from the very important station of Diamond Island. I would respectfully point out that this failure of signals took place also in the cyclone of the 16th and 17th June 1886, when no reports were received from the 15th to 19th inclusive; also from the 17th to 20th November inclusive, before the cyclone on the 23rd idem. It is of the utmost importance that this important station should be in the highest degree of efficiency.

4. On the 24th May, probably owing to the absence of the Diamond Island report, it was thought that the storm was crossing the bay to a point near Vizagapatam, but on the 25th it was found to be advancing to the east of False Point, towards the Sandheads, and at 8.50 A.M. the signals were hoisted in the river indicating the passage of a storm of moderate intensity to southward of Saugor. No ships arrived in the river on the 25th or 26th; and on the 24th, 25th and 26th no vessels left the river, excepting the ship *Godiva*, which left early on the 25th, in tow of the steam-tug *Retriever*, and the S. S. *Sir John Lawrence* (Chandbally boat) with upwards of 730 native passengers, which left on the afternoon of the 25th. All other ships waited either at Diamond Harbour or Saugor; and the other two Chandbally boats, the steamers *Tyrone* and *Curlew*, waited at Kedgerree, and no damage was sustained by any of them, except loss of anchors, &c., by some.

5. The storm blew with great fury, and the sea is described as being beyond the experience of those who went through the storm. Its centre passed the pilot station about 8 P.M., and thence travelled to westward of Saugor about 3 in the morning, and passed inland near the Subarnrekha river to eastward of Balasore about 5 in the morning of the 26th. The cyclone at Calcutta amounted to a moderate gale only. The storm-wave passed up the river fortunately on the ebb, and although the low water level was quite 8 feet above the normal, yet before high water the effect had passed, and the high water level was only 4 feet above the tabulated height for the day. It appears that much land between Hidgellae and Subarnrekha has been overflowed.

6. On the 26th nothing was learnt in town (beyond the actual strength of the wind at Saugor and False Point) of the results of the cyclone, but the *Resolute* was despatched by the Port Commissioners at day-light on the 27th to visit the lightships and Sandheads and give any assistance required. The *Undaunted*, being still in the hands of the Dockyard, was not able to proceed, her boilers being under repair. The repairs were commenced on the 12th March, and it was hoped would be easily completed before the stormy season, but the patching of boilers is slow work, and has occupied a much longer time than was anticipated.

7. On the 27th matters appearing to be more serious, the *Retriever* not having returned, the Chandbally steamer not having arrived there, and no vessel having come into Saugor, I considered some further action urgent.

and resolved to take up a vessel to proceed to the Sandheads to get news of the brigs and to search for missing vessels. Owing to the loss of the *Retriever*, Messrs. Gladstone, Wyllie and Company have now a monopoly of tugs, and they refused to allow a tug to proceed for less than Rs. 1,000 a day, the ordinary charge for towing being only Rs. 600. I learn that they have since charged the *Godiva* Rs. 5,000 for towing her from the Gasper to Calcutta, the ordinary price being about Rs. 1,600 from the Sandheads. I therefore decided on chartering the *Madras*, a steamer offered by the British India Steam Navigation Company for Rs. 850 a day, including coal, and beg to enclose copy of the agreement marked A, and to solicit sanction to the arrangement. The *Madras* was coaled and despatched early on the 28th. Commander Jackson of the *Undaunted* was sent in charge of the expedition, and I engaged an officer of the Chandbally service to act as pilot in the Western and Sola Channels not usually visited by other ships. I beg to attach copy of the orders issued to Captain Jackson, marked B. The steamer *Madras* has not yet returned to port. I may mention that on the 27th the steamer *Resolute* experienced a very heavy sea in the Gasper Channel, and did not proceed to sea that evening.

8. On the 28th, the *Cuckoo* was also despatched by the Port Commissioners to visit the refuge houses: she is expected back to-morrow or next day.

9. The P. and O. steamer *Nepaul*, the first vessel in from sea (having a special pilot she was able to get in), anchored at Saugor at noon on the 27th, and in the evening a telegram was received, marked C, which told a tale of great disaster, and confirmed me in my view as to the necessity of sending a second vessel. Owing to its being received by flag-signals, there was a mistake which led to the inference that the *Retriever*, and her ship, the *Godiva*, had foundered. Several light-ships were also reported as out of position.

10. Several vessels arrived on the 28th, one of which reported the brigs to be safe and on the station. I will here mention that the brigs put to sea, and passed through the centre of the storm, returning to the station at its close, and sustaining only petty damage. They each lost an anchor and chain, one boat and several sails, besides some benches and other deck furniture. One brig immediately took up the duty of Eastern Channel light-ship, burning blue lights at short intervals, the other attending to the pilotage work.

11. On the 29th, the other Chandbally steamers, which left after the storm, returned to Calcutta, having seen nothing of the *Sir John Lawrence*, which vessel they had been directed to search for *en route*. As we have received, yesterday, information that the *Resolute* passed through a large number of floating dead bodies, some of women, and as others have been washed ashore at Saugor, there can be little doubt that she foundered, and that every soul on-board has perished. Her Commander, Captain Irvine, was a very experienced man, and had commanded vessels in the Chandbally trade for a number of years. He was, however, in my opinion, too ready to incur risk. In the cyclone in last June, he left a day before any other vessel had left the river, except the French Mail steamer, and on the present occasion the storm-signals had been up for hours and seen by the *Tyrone* and *Curlew*, which vessels anchored at Kedgerree in consequence; they were passed, lying at anchor, two hours later by the ill-fated ship. The wind and sea at that time must have been tremendous. She had, I believe, 732 passengers, a large proportion being women of this place proceeding on pilgrimage.

12. *Light-ships*.—The Long Sand light-ship, the nearest to Saugor, was missing, and it was feared must have foundered, surrounded as she was by shoals, but she floated over all the shoals on the storm-wave and grounded below Hidgelee, where she is now nearly high and dry, but reported as not injured. She was first reported by the *Curlew*, which vessel sighted her on return from Chandbally on the 29th. The Deputy Conservator has gone to see what should be done to get her off.

13. The next light-vessel in order, the Upper Gasper, rode out the storm; the Lower Gasper also rode safely, after parting one chain. The Intermediate lost an anchor and chain and drifted about half a mile. The Mutlah Light rode out the gale safely, being out of its direct course. The Eastern Channel and Ridge Lights both parted and were reported missing: the Ridge drifted 40 miles, and afterwards made sail and returned to the vicinity of her station,



when she was picked up and put in position by the *Resolute*. Of the Eastern Channel, it is known that she returned to the station yesterday, in tow of the *Madras* from off Pippley.

14. There remains the case of the *Godiva* and steamer *Retriever*, which vessels put to sea on the morning of the 25th about two or three hours before the storm-signals were hoisted. I propose to hold a departmental enquiry on the pilot in charge of the *Godiva* as to the propriety of his proceeding to sea under such circumstances. It appears that at that time the wind was light, and the glass had not fallen much, and the master agreed with the pilot it would be better to get out. The captain of the tug, it is said, did not make any objection, and the ship was towed out, and between 12 and 1 was cast off outside the Eastern Channel Light in the usual way. For the last two hours the wind and sea had increased rapidly, but it was not then possible to turn the ship back. After casting off, the ship sailed to the southward, got into the most violent part of the storm, blew nearly all her sails away, had her decks swept and cabins gutted, and her cargo shifted, so that she heeled over to port very much,—she returned or drifted back to the river, and has been towed up to town, where she will discharge cargo.

15. The *Retriever* tried to return to Saugor, but found the sea too heavy, and adopted the only course open of going out to sea—head to the sea. She has not been since seen. Marvellously the P. and O. steamer *Nepaul* picked up a native fireman belonging to this vessel, who had been 17 hours in the water, and reports that she foundered soon after midnight of the 25th, and it can hardly be hoped that any other survivors of the unfortunate vessel will be found. She was a fine new tug, and the most powerful on the river.

16. I attach copy of a report by the senior officer at the cruising station, marked D.

No. 73T—M, dated Darjeeling, the 8th June 1887.

From—COLMAN MACAULAY, Esq., C.I.E., Secy. to the Govt. of Bengal, Municipal Department,  
To—The Port Officer, Calcutta.

I AM directed by the Lieutenant-Governor to acknowledge the receipt of your letter No. 2092, dated 2nd instant, in which you submit a report upon the cyclone of 25th and 26th ultimo.

2. You first advert to the interruption of telegraphic communication with the station of Diamond Island between the dates of 24th and 27th ultimo inclusive. It appears that communication with Diamond Island was similarly interrupted for four days at the time of the cyclone of last June. You rightly observe that it is of the utmost importance that this station should be maintained in the highest degree of efficiency. Enquiries will be made in the matter from the Meteorological Reporter through the General Department of this Government. You have been separately asked in my letter No. 71T—M, dated the 7th instant, to report your opinion, with reference to the experience derived from the late storm, on the advisability of laying a telegraph cable from Saugor to the Eastern Channel light-ship, and the practicability of maintaining it during a cyclone.

3. As regards the storm itself, you report that signals were hoisted in the river at 8-50 A.M. on the 25th, indicating the passage of a storm of moderate intensity to the southward of Saugor. You do not state what reports were received by you on 25th, but it appears that the centre of a violent cyclone passed to the westward of Saugor at 3 A.M. on 26th, and it is presumed that you were apprized of this circumstance early on the morning of that day. It also appears that a storm-wave advanced up the river on the ebb tide, giving at Calcutta a rise of eight feet above the normal, and affording unmistakeable evidence of exceptional disturbance of the weather at the mouth of the river. At daylight, on the 27th, the Port Commissioners' steamer *Resolute* was despatched to visit the light-ships and to render any assistance required by vessels in distress. On the 27th your apprehensions were increased, and you chartered on behalf of Government the British India Steam Navigation Company's steamer *Madras*, at a cost of Rs. 550 a day, and on the 28th despatched her to sea. The Government steamer *Undaunted*, which had been placed in the Dockyard for repairs on the 12th March, was still under repairs at this time.



4. With reference to these points, I am desirous to say that the Lieutenant-Governor, while confirming your action in regard to the *Madras*, and acknowledging the care and forethought with which your instructions were issued in regard to her voyage, is of opinion that in cases in which the approach of such a storm to the neighbourhood of the Sandheads is reported, it would be desirable to take earlier measures of precaution. When it is known that a serious cyclone is advancing towards the Orissa or the Bengal Coast, a Government steamer should at once be despatched as far down the river as possible, to be ready to go to sea at the earliest moment to search for disabled or wrecked vessels, and to render assistance generally to seafarers in distress. The fact that in this instance the *Resolute* was prevented by stress of weather from at once putting to sea is not overlooked. This circumstance, however, in no way detracts from the need for provident action in such cases. Moreover, two steamers are shown to have remained in safety during the storm in the Kedgerree anchorage, and to have afterwards proceeded to Chandbally. Sir Steuart Bayley is strongly convinced of the necessity of promptly taking in such cases the utmost precautionary measures, without waiting for tidings of the actual arrival of the storm at any particular point.

5. The attention of the Dockyard authorities will be drawn to the delay in completing the repairs of the *Undaunted*.

6. The actual loss to the shipping was confined to the tug *Retriever* and the steamer *Sir John Lawrence*. The first proceeded to sea early on the 25th, apparently before the hoisting of the storm signals was known. The *Retriever* was lost, but the ship *Godiva*, which it had taken down the river, went ashore and was ultimately saved. You state your intention to hold a departmental enquiry into the conduct of the Pilot in charge of the *Godiva* in proceeding to sea in the face of such weather as prevailed at the time, and your report will be awaited. The *Sir John Lawrence*, with 732 passengers on board, has in all probability perished at sea, and no witness remains to tell the story of the disaster. This appalling calamity, which has carried misery and desolation into many homes, appears from your letter to have been the result of over-confidence on the part of Captain Irvine, an experienced, but too daring, commander. It can scarcely be doubted that, had he followed the example of the commanders of the *Tyrone* and the *Curlew*, who had brought their vessels to anchor at Kedgerree two hours before the *Sir John Lawrence* passed down, this pitiable disaster would have been avoided. His Excellency the Viceroy has desired that the deep sympathy of himself and of the other members of the Government of India may be conveyed to the members of the bereaved families, and you have already been asked to add to this message an expression of Sir Steuart Bayley's sorrow at the affliction which has befallen them. Meanwhile Sir Steuart Bayley is of opinion that a full enquiry should be held in order to ascertain whether this vessel was really safe and seaworthy when she left the port. A statement which has been submitted to the Lieutenant-Governor by an ex-officer of the ship has been separately forwarded to you for report. You are requested to hold a careful investigation of the allegations contained in it, and to submit without delay the conclusions at which you may arrive. The circumstances in which this catastrophe occurred also render it desirable for Government to consider whether measures should not be taken to give the authorities power to detain vessels on account of threatening weather, and to render it penal for commanders to leave the river when certain signals have been exposed. The Meteorological Reporter to Government will be asked to advise upon this proposal, and your opinion upon it is also invited.

7. The Lieutenant-Governor learns with satisfaction that the pilot brigs and the light-vessels have been saved, and he desires that his thanks may be communicated to the many officers of the Marine Department who displayed courage and resource in circumstances of much distress and difficulty, and who largely contributed by their efforts to mitigate the effects of the disaster.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 11th June 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<b>Western Districts.</b>			
BURDWAN DIV.	1 Burdwan, June 11, '87	0.51	Weather—bright and dry. State and prospects of crops good. All agricultural operations in progress. Rice still cheap. Fever again reported.
	Culna	0.46	
	Cuttack	0.27	
	Raneegunge	1.27	
	2 Bankura „ 11, '87	0.74	Weather—seasonable. Sowing of <i>aus</i> nearly over. Indigo and sugarcane growing well. Rain wanted. No change in prices. Public health good.
BARDHAMAN DIV.	3 Bishnupur „ 11, '87	0.44	Weather—extremely sultry during the daytime, with cool mornings and evenings. Heavy rain has damaged the rice-seedlings and <i>sesamum</i> to some extent. The present dry weather will, however, admit of the sowings being completed, and is very favourable to young sugarcane. Prices have risen slightly. Public health good.
	4 Haorhat „ 11, '87	0.50	
	Rampore Haut	0.46	
	5 Midnapore „ 11, '87	0.14	Weather—warm generally; rain and storm at intervals. Early sowings commenced. Some lands in the Tumbuk sub-division reported to be damaged by the overflow of salt-water. Public health good.
	6 Hooghly „ 11, '87	1.12	Weather—seasonable. Agricultural operations going on vigorously. Public health good.
CENTRAL DISTRICTS.	7 Serampur „ 11, '87	0.27	
	Jhansabad	1.26	
	Howrah „ 11, '87	0.77	Weather—cloudy. Prospects of jute fair; some was injured by salt water at the time of the cyclone, and the rainfall was somewhat deficient at the time of sowing. All other crops promise well. Rains seem to have set in.
	8 Calcutta „ 11, '87	1.18	
	9 24-Pargana „ 11, '87	0.76	Weather—hot with occasional showers. <i>Aus</i> sowing still continues. Prospects promising. Public health generally good.
PARAGANAH DIV.	10 Nadia „ 11, '87	0.95	Weather—sultry with cloudy sky for the most part of the week. Rice and indigo doing well. Jute was sown late, and so far is doing fairly.
	Krishna	0.83	
	Meherpur	0.10	
	Chudanga	0.42	
	Ranaghat	0.08	
RAJSHAHY DIV.	11 Khoulia „ 11, '87	4.01	Weather—hot with occasional storms. Ploughing and sowing continue. <i>Aus</i> rice above the ground. Prospects favourable. Public health good.
	12 Jessore „ 11, '87	1.25	Weather—very hot. Paddy plants doing well. More rain wanted. Public health good.
	Jhenidah	0.57	
	Magurhat	0.84	
	Narail	0.28	
RAJSHAHY DIV.	13 Rangpur „ 11, '87	0.90	Weather—very hot and close. More heavy rain during the week caused some damage to <i>khadoi</i> and jute, but on the whole prospects fair. Prices stationary.
	Gaibandha	0.44	
	Nilphamari	1.64	
	Kurigram	1.19	
	14 Bogra „ 11, '87	1.64	Weather—hot and cloudy. Flooding of rivers, particularly Jabuna and Atrai, from heavy rain has done great injury in the Nowgong sub-division and in the Singra, Barnagong, Tanore and Bhamara. <i>Boro</i> paddy, just ripening, has been nearly destroyed; <i>til</i> , <i>aus</i> and <i>aman</i> have suffered considerably, also jute in places. Sugarcane promising. Public health good. No great change in prices.
RAJSHAHY DIV.	15 Rajshahi „ 11, '87	0.82	Weather—hot and still. Crops generally excellent except where damaged by floods. <i>Aus</i> <i>aman</i> is being out. Cholera has almost disappeared.
	Natore	0.57	
	Nowgong	0.57	
	16 Rangpur „ 11, '87	0.80	Weather—very sultry with occasional clouds and slight rain on four days. Sowing of <i>aus</i> and jute stopped on account of recent very heavy fall of rain. Considerable damage done to crops in places. Public health fair.
	Gaibandha	0.44	
RAJSHAHY DIV.	17 Pabna „ 11, '87	1.03	Rain stopped; weather hot and sultry. Prospects of crops good. General health good.
	Rangpur	1.79	
	Darjeeling „ 11, '87	0.09	Weather—seasonable. State and prospect of crops favourable.
	18 Julpigore „ 11, '87	0.88	The week has been exceptionally hot; very little rain. The fine hot weather has done good to all crops, too much rain having fallen in May. Jute, however, is more or less permanently injured. In the Alipore sub-division early rice is said to have suffered from excess of rain. Cholera has been raging in parts of the sub-division, but has somewhat abated.
	19 Dacca „ 11, '87	2.77	Weather—hot. <i>TM</i> is being cut. <i>Aus</i> paddy and jute doing well. Damage to paddy crops in low lands is anticipated owing to sudden rise of river. On the whole prospects of crops good. Public health generally good.
DACC DIVISION.	20 Manickgunge „ 11, '87	1.63	Weather—hot with clouds. Prospects of crops satisfactory. Public health fair.
	Munabgunge	2.64	
	Naraingunge	1.03	
	Farredpore „ 11, '87	0.97	
	Madaripore	0.87	
DACC DIVISION.	21 Backergunge „ 9, '87	2.99	Weather—very hot. Slight injury to <i>aus</i> by recent flood in Patnakhali and Bhola. Cultivation of <i>aman</i> going on. Rain wanted. General health good.
	22 Mymensingh June 10, '87	4.89	Heavy rain on the 4th and 6th. Rain general throughout the district. Prospects of crops good.
	Jamulpur	8.42	
	Kishoregunge	11.14	
	Attia	9.24	
	Netrakona	5.60	

\* Rainfall at Cutwa in the Burdwan district, during the week ending 4th June 1887 was 14.43 inch.

No.	District and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL—contd.</b>			
<b>Eastern Districts—contd.</b>			
Calcutta Divn.	23 Chittagong, June 13, '87	1.92	Weather—seasonable with occasional showers. <i>Aus</i> is being transplanted. Prices stationary. Cholera still reported; public health otherwise good.
	23 Nankhelly Ferry " 10 "	1.29 2.99	Weather—generally hot and close with occasional scanty rainfall. More rain urgently wanted. Rice now 20 seers per rupee. Public health fair.
	24 Tipperah Chandpur " 9, '87	3.34 2.40	Weather—seasonable. More rain would be acceptable. The crops are flourishing in every respect; those that are ripe are being gathered in with good results. Public health fairly good.
	25 Chittagong Hill Tracts " 7, '87	1.95	Weather—excessively hot and cloudy during greater part of the week. Three-fourths of <i>joom</i> sowings completed. Early paddy crop thriving well. Sugarcane doing well. Public health continues good.
	Hill Tipperah " 9 "	3.88	Weather—hot. Sowing of <i>aus</i> paddy over. Prospects of chillies, sugarcane and <i>til</i> continue good. Public health good.
<b>BEHAR.</b>			
Patna Divn.	26 Patna, June 11, '87	1.68	Weather—excessively hot and close. Fields are being prepared for <i>bhadoi</i> sowings. In some places <i>bhadoi</i> sowings have commenced. Prospect of sugarcane continues fair. Cholera reported from the Barh and Behar sub-divisions.
	27 Gya " 11 "	1.10	Weather—hot. <i>Bhadoi</i> being sown. Sugarcane doing well. Cholera, fever and small-pox reported.
	Shahabad " 11 "	Nil	Weather—very hot. Preparation for <i>bhadoi</i> sowings in progress. Sugarcane doing well. Cholera reported from the Blambun sub-division and elsewhere in the interior of the district in sporadic form. Prices stationary.
	29 Darbhanga " 11 "	0.11	Weather—very hot. Prospects of rice continue satisfactory. <i>Bhadoi</i> has commenced to be sown. Prices remain stationary. Cholera reported from the Madhubani sub-division.
	30 Muzaffarpore Rajpur Sitamarhi " 11, '87	Nil 0.13 0.65	Weather—cool during the early part of the week, but excessively hot during the latter part. Prospects of crops promising. Early rice, <i>chona</i> , <i>sama</i> , and <i>kanai</i> coming up well. <i>Moong</i> being reaped in places. Sowing of <i>bhadoi</i> crops in progress. Cholera still prevails in the district.
Bhagalpur Divn.	31 Saran Bowen " 11 "	0.89 0.39	Weather—damp and sultry. Prospects of crops favourable. A severe storm, accompanied with rain, caused much damage to trees and plants on the 8th. Sporadic cases of cholera still reported.
	32 Champaran Bettiah " 11 "	1.19 1.30	Weather—very hot. Prospects of indigo and other standing crops favourable. Sowings of <i>bhadoi</i> and <i>aghani</i> in progress. Prices stationary. Cholera in all parts of the district, but somewhat abating.
	33 Monghyr Jamui June 11, '87	Nil 0.45	Weather—very hot and sultry. Ploughing and sowing of <i>bhadoi</i> rice going on briskly throughout the district. Prospects favourable. Cholera continues in the Sadar and Begusarai sub-divisions, and has rather increased in the Jamui sub-division.
	34 Bhagalpore Mudehpore Soopole " 11 "	0.21 1.04 1.17	Weather—sultry. The spell of fine weather has done much to right the damage done in low lands by the heavy falls of preceding week. Sowing and cultivation going on briskly and all prospects good. Public health improving.
	35 Purneah Kishanguah Arreruah " 11 "	3.72 0.53 1.06	Weather—bright and genial. The cessation of the heavy rain has saved the crops, which are now doing well, with the exception of indigo.
Orissa Divn.	36 Maldah Chanchal Gajol " 11, '87	0.09 1.46 1.5	Weather—very hot; generally bright, but occasionally cloudy. Harvesting of <i>boro</i> paddy almost over; outturn good. <i>Bhadoi</i> crops doing well. In some places winter paddy being sown. Average price of common rice about 22½ seers per rupee. Public health good.
	37 Sonthal Pargana Deoghur Godda Jantara Pakour Rajmehal " 11 "	0.15 0.18 0.35 0.19 0.96 0.11	Weather—hot and cloudy; southerly and easterly winds and occasional showers. Ploughing going on. Rice and Indian-corn being sown. Sugarcane and indigo doing well; but indigo on <i>char</i> lands and <i>boro</i> paddy slightly damaged by late storms. Public health good.
	38 Cuttack, June 10, '87	0.85	Weather—hot, but cloudy at times. Sowing of rice in progress; plants coming up in places. Rain of 8th was beneficial to sowing. More rain shortly expected. Common rice 15½ seers per rupee in town. Public health generally good.
	39 Poonah " 9 "	0.01	Weather—hot and cloudy. More rain wanted. <i>Sarad</i> paddy being sown. Common rice 25 seers 3 chittacks per rupee in the Sadler sub-division and 21 seers 6 chittacks in the Khoorda sub-division. Cases of cholera and small-pox reported.
	40 Balasore " 10 "	Nil	Weather—hot and cloudy. Ploughing and sowing of rice have recommenced. The cyclone of 26th May caused loss of some cattle on the sea-coast; nine persons only died from exposure and shock in the mofussil. Public health generally good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospect of the crops, and state of health at date.
<b>CHOTA NAGPUR.</b>			
<i>South-West Frontier Agents.</i>			
41	Basariangi. June 10. '87	0.22	Weather—unsettled; occasionally cloudy. Sowings in progress all over the district. Sugarcane much benefited by the late rain. General health good.
42	Loharanga. „ 11 „	2.11	Weather—hot and cloudy. Sowing and ploughing going on. Rain wanted. Prices steady. Cholera and small-pox still reported from Palamow.
43	Singbhoon. „ 10 „	0.08	Weather—hot and steamy. Very slight rain. The regular rains cannot be said to have set in yet. The paddy being cut. Paddy newly sown already sprouting. All crops progressing favourably. Cholera in parts; otherwise public health good.
44	Nashbhoon. „ 11 „	0.83	Weather—occasional dust-storms; otherwise hot. Rains not yet regularly broken. Fields being ploughed and sown with rice. Sugarcane and cotton doing well. Public health good.
	Govindpur. „ „	1.9	

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 14th June 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 5th to 11th June 1887.

Month.	Date.	Maximum in one hour.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.				Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
June	5th	148.0	1.5	29.542	83.7	91.4	11.3	80.3	78.9	0.831	77.1	81	SSE and variable ...	174	0.56	Chiefly cloudy, o. t. p. <.
"	6th	148.0	7.3	29.520	85.0	92.8	19.3	72.6	60.0	0.860	78.0	80	SSW and S ...	178	NR	Chiefly cloudy, o.
"	7th	152.5	8.1	29.539	86.5	94.0	21.3	72.7	81.3	1.002	79.3	80	SSE and S ...	143	"	Partially cloudy.
"	8th	150.7	8.7	29.568	87.0	93.0	14.2	79.7	81.2	0.980	78.9	81	S by E and variable	"	"	Chiefly cloudy, o. p.
"	9th	148.5	8.1	29.602	85.3	92.0	13.3	78.2	70.7	0.939	77.3	78	WNW and SSE ...	77	"	Chiefly cloudy, o. t.
"	10th	150.7	7.4	29.579	85.6	91.7	12.6	79.1	78.3	0.873	75.1	71	SSE and ESE ...	113	"	Chiefly cloudy, o. p.
"	11th	151.5	4.4	29.541	84.2	89.7	11.0	78.7	78.4	0.802	75.8	75	SE by E, E and ESE	145	0.02	Chiefly cloudy, o. s. t. d. p.

The mean pressure of the seven days	...	Inches	29.559
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	29.573
The total number of hours of bright sunshine	...	Hours.	35.5
The maximum possible number of hours of sunshine	...	...	94.0
The mean temperature of the seven days	...	°	85.3
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	85.8
The extreme variation of temperature	...	...	21.4
The maximum temperature	...	...	94.0
The highest velocity of the wind in one hour	...	Miles.	17
The highest pressure of wind on one square foot	...	Lbs.	11
The mean relative humidity	...	%	77
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	79
The total fall of rain from 5th to 11th June 1887	...	Inches.	0.58
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	2.43
The total fall from 1st January to 11th June 1887	...	...	11.52
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	12.91

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, t thunder, p passing temporary showers, Δ dew, < lightning, / strong wind.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 13th June 1887.

## Meteorological Report of the Province

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.																
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.				
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.		
ORIGINAL.	Pooree	Gopalpore	29.834	29.467	29.637	29.687	-.081	83.3	74.0	88.4	82.9	85.2	+1.5	78	-	8.2	-		
		False Point	29.878	29.471	29.661	29.670	-.081	84.5	70.1	87.0	77.0	82.0	-3.2	75	-3	8.0	-3.2		
	Cuttack	Cuttack	29.810	29.426	29.608	29.653	-.057	112.0	70.8	101.3	81.2	81.3	+0.9	58	-7	5.7	+1.0		
	Balasore	Balasore	29.798	29.078	29.610	29.663	-.101	102.1	88.9	98.9	78.0	85.8	+0.2	60	-	1.6	-		
SOUTH-WEST BENGAL.	South-West Midnapore and South 24-Pargannas.	Saugor Island	29.865	29.364	29.604	29.710	-.053	86.7	70.5	92.0	80.7	86.4	+0.6	77	-3	7.1	+1.6		
	Midnapore	Midnapore	29.720	29.084	29.554	29.683	-.073	107.9	84.7	97.0	77.0	87.8	-0.3	64	-	3.1	-		
	24-Pargannas, Howrah, and Hooghly.	Calcutta	29.805	29.446	29.670	29.697	-.050	88.9	65.2	98.7	77.8	84.3	-0.1	62	-7	0.7	+0.6		
	Burdwan	Burdwan	29.797	29.364	29.582	29.591	-.053	107.8	87.4	96.0	77.4	86.7	-0.3	64	-3	3.0	+1.0		
SOUTH-WEST BENGAL.	Bankura	Bankura	29.831	29.078	29.353	-	-	109.1	86.7	98.0	77.0	87.9	-	63	-	3.0	-		
	West Burdwan and Boorboom.	Baniganj	29.804	29.131	29.551	-	-.068	110.0	84.8	98.0	78.0	88.3	-0.3	62	-	3.3	-		
	Mooredahabad	Berhampore	29.831	29.463	29.626	29.701	-.039	104.7	88.2	96.0	78.5	85.8	-1.6	71	0	5.4	+0.7		
	Nudda	Krishnagar	29.830	29.507	29.668	-	-	103.8	86.3	94.2	78.3	82.3	-	69	-	5.1	-		
SOUTH-WEST BENGAL.	Jessore and Khoolna	Jessore	29.807	29.607	29.690	29.723	-.034	96.8	86.0	93.6	77.8	85.0	+0.1	75	-1	6.6	+1.6		
	Chittagong	Chittagong	29.810	29.540	29.682	29.771	-.039	90.2	70.0	88.3	70.7	83.1	+0.9	68	-12	7.7	+2.7		
	Chittagong Hill Tracts	Dumagri	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	Backerganj	Barrisal	29.808	29.600	29.718	29.730	-.040	98.5	80.5	90.2	77.7	84.0	+2.8	73	-	5.5	-		
SOUTH-WEST BENGAL.	Nonkhelly	Nonkhelly	29.803	29.580	29.707	29.730	-	94.0	87.5	95.1	78.6	82.9	+1.4	76	-	3.0	-		
	Furzedpore	Furzedpore	29.842	29.568	29.693	-	-.082	92.3	87.0	97.7	78.0	81.0	+0.3	76	-	2.5	-		
	Dacca	Dacca	29.873	29.583	29.716	29.737	-.025	98.1	88.6	91.4	77.4	84.4	+1.1	74	-3	6.0	+0.7		
	Tipperah	Comillah	29.801	29.580	29.715	29.733	-.032	98.3	88.8	92.3	78.6	84.4	+2.7	70	-	5.4	-		
SOUTH-WEST BENGAL.	Mymensingh	Mymensingh	29.825	29.591	29.700	-	-.035	93.3	84.1	90.2	74.8	83.3	+2.9	75	-	6.5	-		
	Bogra	Bogra	29.812	29.508	29.638	29.701	-	103.6	88.3	94.7	78.3	85.0	-	69	-	5.1	-		
	Pubna	Serajgunj	29.854	29.642	29.670	29.736	-.043	98.0	86.7	93.0	74.6	83.3	+1.3	73	-	5.7	-		
	Rajshahye	Bamposh Bazar	29.798	29.407	29.638	29.707	-.041	105.4	85.7	93.4	74.4	84.0	+0.1	69	-	3.0	-		
SOUTH-WEST BENGAL.	Maldah	Maldah	29.807	29.563	29.528	-	-	105.3	86.4	94.7	78.0	86.1	-	65	-	3.5	-		
	Dinagore	Dinagore	29.770	29.460	29.596	29.715	-.024	99.1	85.7	95.3	76.0	84.3	+2.4	70	-	3.4	-		
	Rangpore	Rangpore	29.775	29.407	29.590	29.736	-.071	98.8	86.3	90.1	74.1	83.1	+2.8	74	-	3.3	-		
	Jalpigore and Cooch Behar.	Jalpigore	29.654	29.318	29.480	29.740	-.069	85.3	64.6	87.8	72.0	80.4	+1.6	83	-	3.3	-		
SOUTH-WEST BENGAL.	Darjeeling Hill Tracts	Darjeeling	29.885	29.830	29.855	-	-.009	71.1	46.3	83.6	82.0	83.3	+2.5	87	0	7.4	+0.8		
	Purneah and North Bhagalpore.	Purneah	29.773	29.436	29.543	29.707	-.048	104.3	84.7	95.8	76.7	85.3	+1.3	68	-7	3.8	+0.3		
	Mozafferpore	Mozafferpore	-	-	-	-	-	Observations suspended.											
	Durbhanga	Durbhanga	29.726	29.361	29.541	29.688	-.047	102.0	85.9	94.9	77.3	86.1	+0.7	70	+6	4.4	+0.3		
SOUTH-WEST BENGAL.	Champana	Motihari	29.633	29.314	29.440	29.678	-.041	105.8	86.3	93.0	76.3	86.1	+1.4	60	-	4.9	-		
	Baran	Chhapra	29.076	29.357	29.464	-	-.480	100.3	71.3	100.0	77.0	89.0	+1.0	67	-	3.7	-		
	Shahabad	Deoria	29.468	29.160	29.273	29.619	-.008	108.0	72.0	97.0	80.0	88.8	+0.5	37	-	1.0	-		
		Buxar	29.430	29.223	29.498	29.645	-.070	108.4	71.8	100.0	79.0	89.7	+0.8	44	-	2.3	-		
SOUTH-WEST BENGAL.		Arrah	29.604	29.200	29.441	29.635	-.081	108.6	73.7	100.3	75.6	89.3	+0.8	51	-	3.4	-		
	Gya	Gya	29.430	29.063	29.254	29.687	-.072	110.5	73.3	103.1	81.3	82.3	+0.8	67	-2	2.9	+0.4		
	Patna	Bankipore	29.203	29.316	29.443	29.654	-.061	108.4	68.7	95.0	78.0	86.0	-1.0	56	+3	3.0	+0.7		
	South Bhagalpore and Munghyr.	Bhagalpore	29.714	29.273	29.498	29.640	-.067	104.7	86.0	94.0	76.0	83.8	-0.1	64	-	3.3	-		
SOUTH-WEST BENGAL.	South Pargannas	Naya Dooika	29.280	29.360	29.175	-	-.071	106.3	67.9	98.0	78.0	86.8	-0.4	75	-	3.0	-		
	Masuribagh	Masuribagh	27.683	27.444	27.390	29.645	-.047	105.6	63.7	97.4	76.8	86.3	+0.1	42	0	3.8	+0.3		
	Ichharouga and Manbhoom.	Manbhoom	27.780	27.661	27.666	29.632	-.079	105.0	64.0	97.5	74.1	85.0	+1.1	44	-	4.0	-		
	Singbhoom	Chandbasa	29.008	29.651	29.690	-	-.081	111.3	63.7	101.9	79.3	80.5	+0.3	49	-	3.3	-		
SOUTH-WEST BENGAL.		Sibhagar	29.583	29.341	29.453	29.787	-.046	105.6	67.9	98.0	73.8	81.4	+2.0	75	-4	0.6	-1.6		
	Amara	Duburi	29.795	29.496	29.636	29.756	-.064	97.8	67.4	97.1	74.3	80.7	+1.3	70	-1	2.0	+0.4		
		Silchar	29.614	29.510	29.570	29.773	-.065	101.1	67.0	91.3	74.3	83.8	+2.7	73	-3	0.4	+0.7		

\* Mean for 30 days.

† Mean for 20 days.

‡ Mean for 20 days.

Batal for the month of May 1887.

DISTRICT OBSERVATIONS.										Representative stations.	DISTRICT.	Meteorological District.
RAINFALL.												
Of month.					Since 15th May 1887.							
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal mean number of rainy days.			
5.30	3.00	+2.30	4.0	5.0	4.26	1.56	+2.70	2.5	3.3	Gopalspore ...	Pooree ...	Orissa.
5.19	3.45	+1.74	4.8	5.7	4.30	1.96	+2.34	2.4	3.0	False Point ...	Cuttack ...	
4.27	4.40	-.13	0.7	...	7.28	2.12	+5.16	2.7	4.2	Cuttack ...	Balasore ...	
4.15	4.25	-.10	7.3	8.1	2.04	2.20	+0.74	4.4	4.2	Balasore ...	South-West Midnapore and South 24-Pergunnahs.	
5.93	5.00	+0.93	9.0	7.0	3.00	1.06	+1.94	4.0	2.7	Saugor Island ...	Midnapore ...	South-West Bengal.
6.13	5.63	+0.50	10.1	9.7	2.70	2.63	+0.07	4.4	3.0	Midnapore ...	24-Pergunnahs, Howrah, and Hooghly.	
10.46	4.73	+5.73	10.7	5.2	6.40	2.23	+4.17	5.7	4.3	Calcutta ...	Burdwan ...	
4.90	5.34	-.44	8.0	8.2	2.40	1.83	+0.57	5.0	3.6	Burdwan ...	Bankura ...	
3.68	5.04	-.14	10.8	7.0	0.77	1.86	+5.11	7.3	4.2	Bankura ...	West Burdwan and Berhampur.	Bihar.
11.24	4.84	+6.40	11.3	8.3	8.86	2.07	+6.79	6.3	4.6	Raniganj ...	Moohadabad ...	
9.26	5.16	+4.10	10.3	9.5	0.30	3.85	+3.45	7.0	5.0	Barhampore ...	Nadua ...	
5.33	5.33	0.00	9.8	10.7	1.77	3.88	-.11	4.4	2.6	Krishnagar ...	Jessore and Khoulia ...	
1.13	10.13	-.90	9.5	12.3	2.17	5.47	-.30	3.0	6.0	Jessore ...	Chittagong ...	East Bengal.
7.50	9.70	-.20	12.0	13.4	2.84	4.20	-.14	7.0	6.4	Chittagong ...	Chittagong Hill Tracts	
8.08	7.63	+0.45	8.5	12.7	1.86	4.03	-.17	2.3	6.3	Chittagong Hill Tracts	Backergunge ...	
8.06	10.54	-.18	11.0	13.3	1.57	5.01	-.44	3.3	6.5	Backergunge ...	Noakhali ...	
5.00	5.82	-.82	8.3	12.0	1.20	4.82	-.62	3.3	6.0	Noakhali ...	Faridpur ...	North Bengal.
5.48	9.41	-.33	9.3	13.5	1.41	4.10	-.27	4.3	6.3	Faridpur ...	Dacca ...	
6.81	10.74	-.33	7.3	13.8	0.70	4.03	-.33	3.3	6.7	Dacca ...	Tipperah ...	
6.00	5.33	-.33	8.3	13.3	2.64	4.78	-.14	3.0	6.7	Tipperah ...	Mymensingh ...	
6.93	7.70	-.77	10.3	11.0	3.63	4.27	-.64	7.8	5.5	Mymensingh ...	Bogra ...	South Bengal.
6.94	7.24	-.30	12.5	10.7	2.63	3.92	-.13	7.0	5.4	Bogra ...	Pahna ...	
7.07	6.03	+1.04	8.5	9.2	7.37	3.12	+4.25	6.5	4.0	Pahna ...	Rajshahye ...	
10.27	4.03	+6.24	8.5	7.4	9.50	3.34	+6.16	7.0	3.0	Rajshahye ...	Maldah ...	
13.23	5.23	+8.00	9.5	8.1	14.03	3.00	+11.03	7.2	3.8	Maldah ...	Dinapore ...	South Bengal.
16.61	10.83	+5.78	11.3	12.0	13.18	6.07	+7.11	9.0	4.0	Dinapore ...	Rungpore ...	
13.26	12.39	+.87	10.3	16.1	14.03	8.63	-.60	11.0	8.6	Rungpore ...	Jalpigore and Cooh Behar.	
19.67	9.83	+9.84	10.3	18.5	13.41	5.73	+7.68	10.0	8.0	Jalpigore and Cooh Behar.	Darjeeling Hill Tracts...	
16.33	4.19	+12.14	9.0	6.5	10.31	2.21	+8.10	6.4	8.1	Darjeeling Hill Tracts...	Furness and North Bhagulpore.	South Bengal.
6.74	3.19	+3.55	6.3	4.1	5.45	1.55	+3.90	5.3	1.8	Furness and North Bhagulpore.	Mozufferpore ...	
6.74	2.29	+4.45	7.0	4.3	5.33	1.11	+4.22	5.7	1.8	Mozufferpore ...	Durbhanga ...	
3.34	3.03	-.30	7.0	4.5	2.18	1.20	+0.98	4.0	2.2	Durbhanga ...	Motihari ...	
4.63	1.03	+3.60	3.0	3.4	4.42	0.84	+3.58	4.3	1.3	Motihari ...	Chumperan ...	South Bengal.
6.01	1.01	+5.00	3.3	2.3	6.01	0.67	+5.34	3.3	1.4	Chumperan ...	Baraz ...	
5.33	1.54	+3.79	5.3	3.1	3.23	1.21	+2.02	4.5	1.7	Baraz ...	Shakabad ...	
7.77	1.76	+6.01	5.3	3.4	7.72	1.07	+6.65	6.3	2.8	Shakabad ...	Gya ...	
6.96	2.10	+4.86	7.5	4.1	7.39	1.30	+6.09	5.4	3.1	Gya ...	Bankipore ...	Orissa.
12.08	3.19	+8.89	9.3	5.0	11.76	1.77	+9.99	6.3	3.1	Bankipore ...	Patna ...	
7.21	2.34	+4.87	6.5	4.0	6.51	1.29	+5.22	4.3	6.3	Patna ...	South Bhagulpore and Monghyr.	
12.42	5.71	+6.71	10.0	3.5	9.41	3.12	+6.29	3.0	4.0	South Bhagulpore and Monghyr.	Naya Doonka ...	
										Naya Doonka ...	Sonthal Pergunnahs ...	Orissa.
										Sonthal Pergunnahs ...	Hazaribagh ...	
										Hazaribagh ...	Hazaribagh ...	
										Hazaribagh ...	Lohardugga and Mandroom.	
										Lohardugga and Mandroom.	Manikchok ...	Orissa.
										Manikchok ...	Sibesar ...	
										Sibesar ...	Dhubri ...	
										Dhubri ...	Amara ...	
										Amara ...	Shilchar ...	Orissa.
										Shilchar ...		

Table of Rainfall recorded at Stations

Meteorological Division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SOUTH-WEST HINDAL.	Poonah	Poonah	...	...	...	0.90	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khurdah	...	...	...	1.34	...	...	...	...	0.01	...	...	...	...	...	...	...	...	...	...	...
		Banpur	...	...	...	1.23	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		False Point	...	...	...	1.00	...	...	...	...	...	...	...	...	0.09	...	...	...	...	...	...	...
		Popli	...	...	...	1.32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Outback	Jacobsingapore	...	...	...	1.54	...	...	...	...	0.31	0.34	...	...	...	...	...	...	...	...	...	...
		Hanki	...	...	...	0.34	...	...	...	...	...	...	0.08	0.08	...	...	...	...	...	...	...	...
		Cattack	...	...	...	1.18	...	...	...	...	0.20	0.31	...	...	...	...	...	...	...	...	...	...
		Kandarpore	...	...	...	0.33	...	...	...	...	...	...	...	0.09	0.34	...	...	...	...	...	...	...
		Dharmasalla	...	...	...	0.30	...	...	...	...	0.35	...	...	...	0.35	...	...	...	...	...	0.41	0.10
	Raisore	Sulipore	...	...	...	0.86	...	...	...	...	0.10	...	...	...	...	...	...	...	...	...	...	...
		Chandbali	...	...	...	0.20	...	...	0.15	0.30	0.44	...	0.00	...	0.03	...	...	...	...	...	...	...
		Bhadruck	...	...	...	0.46	...	...	0.54	...	0.16	...	...	...	0.16	...	...	...	...	...	...	...
		Sarah	...	...	...	1.01	...	...	...	0.19	...	...	...	...	0.34	...	...	...	...	...	...	...
		Jalinsore	...	...	...	0.47	...	...	...	...	...	...	...	...	0.50	...	...	...	...	...	...	...
	Midnapore	Baripodah	...	...	...	0.16	...	...	...	...	0.40	...	...	...	0.01	...	...	...	...	...	...	...
		Contai	...	...	...	0.01	0.01	...	0.09	...	...	...	0.28	...	0.20	0.02	0.09	...	...	...	...	...
		Saugor Island	...	...	...	0.04	0.07	...	0.10	...	...	...	0.16	0.15	...	0.13	...	...	...	...	...	...
		Tindulook	...	...	...	0.74	...	...	...	...	...	...	0.40	...	0.70	...	...	...	...	...	...	...
		Midnapore	...	...	...	0.08	1.08	0.31	...	...	...	...	0.58	...	0.21	...	...	...	...	...	...	...
	S-Pargunnah	Ghatol	...	...	...	0.22	...	...	...	...	...	...	0.07	0.18	...	0.75	...	...	...	...	...	...
		Deoga	...	...	...	1.17	...	...	0.26	...	...	...	0.02	...	...	0.18	...	...	...	...	...	...
		Haria	...	...	...	0.22	...	...	0.16	...	...	...	0.31	...	0.31	...	...	...	...	...	...	...
		Rhagwanpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gurulia	...	...	...	0.42	...	...	...	...	0.17	...	...	...	...	...	...	...	...	...	...	...
	Barrackpore	Diamond Har- bour.	...	...	...	0.40	...	...	...	...	...	...	...	...	...	0.30	...	...	...	...	...	...
		Canning Town	...	...	...	0.31	...	...	0.11	...	...	...	0.16	1.23	...	0.14	0.33	...	...	...	...	...
		Alipore Jali	...	...	...	0.25	...	...	0.11	...	...	...	0.45	0.11	...	1.35	...	...	...	...	...	...
		Barrackpore	...	...	...	...	...	...	0.84	...	...	...	0.17	...	0.12	0.25	1.35	...	...	...	...	...
		Dum Dum	...	...	...	...	...	...	1.08	...	...	...	0.27	1.20	0.18	0.43	1.08	...	...	...	...	...
SOUTH-EAST HINDAL.	Barrackpore	Barrackpore	...	...	...	0.22	...	...	0.33	...	...	...	0.35	...	0.41	0.43	...	...	...	...	...	...
		Barrackpore	...	...	...	0.75	...	...	0.73	...	...	...	0.05	...	0.30	...	...	...	...	...	...	...
		Barrackpore	...	...	...	0.75	...	...	0.73	...	...	...	0.05	...	0.30	...	...	...	...	...	...	...
		Barrackpore	...	...	...	0.75	...	...	0.73	...	...	...	0.05	...	0.30	...	...	...	...	...	...	...
		Barrackpore	...	...	...	0.75	...	...	0.73	...	...	...	0.05	...	0.30	...	...	...	...	...	...	...
	Barrackpore	Barrackpore	...	...	...	0.28	...	...	0.76	0.14	...	...	0.48	1.01	0.45	0.15	1.40	...	...	...	...	...
		Barrackpore	...	...	...	0.45	0.07	0.67	...	...	...	...	0.42	0.83	...	0.48	...	...	...	...	...	...
		Barrackpore	...	...	...	0.28	...	...	0.76	0.14	...	...	0.48	1.01	0.45	0.15	1.40	...	...	...	...	...
		Barrackpore	...	...	...	0.45	0.07	0.67	...	...	...	...	0.42	0.83	...	0.48	...	...	...	...	...	...
		Barrackpore	...	...	...	0.28	...	...	0.76	0.14	...	...	0.48	1.01	0.45	0.15	1.40	...	...	...	...	...
	Hooghly	Seramapore	...	...	...	0.20	...	...	0.81	1.42	...	...	0.22	...	0.10	1.41	0.09	...	...	...	...	...
		Hooghly	...	...	...	...	...	...	0.87	0.38	...	...	...	...	...	0.47	...	...	...	...	...	...
		Johannabad	...	...	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Johannabad	...	...	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...	...	...	...	...
		Johannabad	...	...	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...	...	...	...	...
	Burdwan	Culina	...	...	...	1.20	0.29	...	...	...	...	...	0.24	0.09	0.06	0.00	0.45	...	...	...	...	...
		Burdwan	...	...	...	0.14	...	...	0.70	...	...	...	0.24	0.09	0.06	0.00	0.45	...	...	...	...	...
		Culina	...	...	...	0.15	...	...	0.70	...	...	...	0.24	0.09	0.06	0.00	0.45	...	...	...	...	...
		Burdwan	...	...	...	0.15	...	...	0.70	...	...	...	0.24	0.09	0.06	0.00	0.45	...	...	...	...	...
		Burdwan	...	...	...	0.15	...	...	0.70	...	...	...	0.24	0.09	0.06	0.00	0.45	...	...	...	...	...
	Bankura	Bankura	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Bankura	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Bankura	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Bankura	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Bankura	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
	Boerghoom	Boerghoom	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Boerghoom	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Boerghoom	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Boerghoom	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Boerghoom	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
	Nadua	Nadua	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Nadua	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Nadua	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Nadua	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
		Nadua	...	...	...	0.42	0.35	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...	...
	Khoolha	Khoolha	...	...	...	2.00	1.00	...	0.02	0.17	...	...	1.40	1.18	1.18	0.17	...	...	...	...	...	...
		Khoolha	...	...	...	2.00	1.00	...	0.02	0.17	...	...	1.40	1.18	1.18	0.17	...	...	...	...	...	...
		Khoolha	...	...	...	2.00	1.00	...	0.02	0.17	...	...	1.40	1.18	1.18	0.17	...	...	...	...	...	...
		Khoolha	...	...	...	2.00	1.00	...	0.02	0.17	...	...	1.40	1.18	1.18	0.17	...	...	...	...	...	...
		Khoolha	...	...	...	2.00	1.00	...	0.02	0.17	...	...	1.40	1.18	1.18	0.17	...	...	...	...	...	...
	Jessore	Jessore	...	...	...	0.14	...	...	0.05	...	...	...	0.35	0.45	1.06	...	0.00	...	...	...	...	...
		Jessore	...	...	...	0.14	...	...	0.05	...	...	...	0.35	0.45	1.06	...	0.00	...	...	...	...	...
		Jessore	...	...	...	0.14	...	...	0.05	...	...	...	0.35	0.45	1.06	...	0.00	...	...	...	...	...
		Jessore	...	...	...	0.14	...	...	0.05	...	...	...	0.35	0.45	1.06	...	0.00	...	...	...	...	...
		Jessore	...	...	...	0.14	...	...	0.05	...	...	...	0.35	0.45	1.06	...	0.00	...	...	...	...	...
	Meerabad	Meerabad	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meerabad	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meerabad	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meerabad	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Meerabad	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
EAST HINDAL.	Chittagong	Chittagong	...	...	...	0.37	2.00	...	...	...	...	...	0.45	0.30	1.08	1.40	1.40	...	...	...	...	...</



[illegible]

Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —contd.	Noakhally— —contd.	Harishpore	...	...	0.20	0.75	...	...	...	...	4.70	4.80	3.21	...	0.32	...	...	...	...	...	...	0.30
		Rangpur	...	0.01	...	0.92	...	...	...	...	0.08	1.27	4.00	...	...	...	...	...	...	...	...	...
		Madaripore	...	0.10	...	0.52	...	...	...	...	0.50	0.70	0.67	0.80	...	...	...	...	...	...	...	...
		Furzedpore	...	...	0.10	0.70	...	...	...	...	0.70	0.35	...	...	...	...	...	...	...	...	...	...
	Dacca	Goallundo	...	...	...	0.25	...	...	...	...	1.85	0.20	0.20	...	...	...	...	...	...	...	...	...
		Munshigunge	...	...	0.08	0.20	...	...	...	...	0.05	0.41	0.14	0.00	...	...	...	...	...	...	...	...
		Dacca	...	0.08	...	...	...	...	...	...	1.41	1.32	1.32	...	...	...	...	...	...	...	...	...
		Naminkunge	...	...	0.10	0.24	...	...	...	...	0.65	0.25	1.37	0.23	...	...	...	...	...	...	...	...
	Hill Tipperah	Munshigunge	...	...	...	0.23	...	...	...	...	0.72	0.05	0.01	...	...	...	...	...	...	...	...	...
		Joydabpore	...	...	...	...	...	...	...	...	2.00	1.71	0.43	...	0.03	...	...	...	...	...	...	...
		Agartala	...	...	...	0.40	...	...	...	...	2.15	0.47	4.80	0.02	...	...	...	...	...	...	...	...
		Comilla	...	...	...	0.23	...	...	...	...	...	1.54	1.50	0.85	...	...	...	...	...	...	...	...
	Tipperah	Chandipore	...	0.20	0.10	1.00	...	...	...	...	0.20	2.00	1.40	...	...	...	...	...	...	...	...	...
		Brahmanbaria	...	...	...	0.17	...	...	...	...	0.00	1.34	4.85	0.80	...	...	...	...	...	...	...	...
		Ranchandra- pore.	...	...	...	...	...	...	...	...	0.72	1.73	3.08	0.07	...	...	...	...	...	...	...	...
		Nasirabad	...	...	...	...	...	...	...	...	1.70	2.71	3.00	1.18	0.51	...	...	...	...	...	...	...
	Mymensingh	Barakandi	...	...	...	...	...	...	...	...	1.30	...	2.63	0.08	...	...	...	...	...	...	...	...
		Kakha	...	...	...	...	...	...	...	...	1.30	...	2.63	0.08	...	...	...	...	...	...	...	...
		Laksham	...	...	...	...	...	...	...	...	...	1.50	1.80	...	...	...	...	...	...	...	...	...
		Kishoreganj	...	0.10	...	0.11	...	...	...	...	0.23	...	1.25	...	...	...	...	...	...	...	...	...
NORTH BENGAL	Pabna	Atik (Taugail)	...	...	...	0.85	...	...	...	...	1.38	0.74	...	1.30	0.11	0.00	...	...	...	...	...	...
		Mymensingh	...	0.54	...	...	...	...	...	...	0.15	...	...	...	0.09	1.38	...	...	...	...	...	...
		Jamulpore	...	1.55	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Tetarkona	...	0.77	...	0.21	...	...	...	...	...	...	...	1.82	0.71	0.79	...	...	...	...	...	...
	Rajshahi	Subornachally	...	0.20	...	...	...	...	...	...	0.73	...	0.25	0.13	...	...	...	...	...	...	...	...
		Durgapara	...	2.74	2.80	...	...	...	...	...	0.21	...	0.00	2.09	...	...	...	...	...	...	...	...
		Douganj	...	0.24	...	...	...	...	...	...	...	...	...	...	...	1.14	...	1.04	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra	Pabna	...	...	...	0.20	...	0.08	...	...	0.21	...	0.34	...	...	...	...	...	...	...	...	...
		Serajpore	...	0.41	...	...	...	...	...	...	2.20	0.09	...	0.30	...	...	...	...	...	...	...	...
		Bhogra	...	0.40	...	...	...	...	...	...	0.20	...	...	...	...	...	...	...	...	...	...	...
		Nowkhilla	...	0.37	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rajshahi	Panchbibi	...	...	...	0.26	...	...	...	...	0.03	...	...	...	...	...	...	...	...	...	...	...
		Beaulah	...	0.23	...	0.15	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...	...	...
		Natore	...	0.33	...	0.10	...	...	...	...	1.23	...	...	...	...	...	...	...	...	...	...	...
		Naogaon	...	...	...	0.18	...	...	...	...	2.85	...	...	0.30	...	0.30	...	...	...	...	...	...
	Malda	Manda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal	...	0.19	...	...	...	...	...	...	1.21	...	...	...	...	...	...	...	...	...	...	...
		Gajal	...	...	...	...	...	...	...	...	1.72	...	...	...	...	...	...	...	...	...	...	...
		Steganj	...	...	...	0.01	...	...	...	...	0.70	...	...	...	...	...	...	...	...	...	...	...
	Dinapore	Mahadebpore	...	0.45	...	1.25	...	...	...	...	0.85	...	...	...	...	...	...	...	...	...	...	...
		Chauramon	...	0.17	...	0.04	...	...	...	...	1.77	...	...	...	...	...	...	...	...	...	...	...
		Ilamgange	...	0.31	...	0.11	...	...	...	...	0.94	...	...	...	...	...	...	...	...	...	...	...
		Dinapore	...	0.15	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpur	Baloughat	...	...	...	...	...	...	...	...	0.17	...	...	...	...	...	...	...	...	...	...	...
		Bhawangunge	...	...	...	1.85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(Gyabanda).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rangpur	...	0.03	0.05	...	...	...	...	...	1.50	...	0.08	...	...	...	...	...	...	...	...	...
	Jalpigore	Kurigram	...	1.41	0.11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ilamgange	...	0.63	0.13	...	...	...	...	...	1.36	...	...	...	...	...	...	...	...	...	...	...
		(Nijphamari).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Elipora	...	0.61	...	...	...	...	...	...	...	...	0.40	...	...	...	...	...	...	...	...	...
Oooch Behar	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Darjeeling Hill	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Purneah	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
North Bhagui- pore.	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Harbhanga	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Moulbarpore	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Chota Nagpur	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Barnah	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Ilamgange	...	0.63	0.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		

Bengal in April 1887—continued.

[illegible]

Table of Rainfall recorded at Station

Metereological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SOUTH BEAR	Shahabad	Bunar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Burraoh	0'02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Shubraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'03	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Gya	Aurangabad	0'13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'01	0'01	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Patna	Patna	0'14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Monghyr	Bongomora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Monghyr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Bhagal- pore.	Bhagalpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'40	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	South Per- gunnah.	Rajmahal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Godda	0'25	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'43	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Barraoh	0'15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CHUTIA NAG- PUR.	Bazarib	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	0'10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Lohardwaga	Lohardwaga	0'42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Kanchi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Palamow	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Singbhoon	Chyabasa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chakradhar- pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chakradhar- pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chakradhar- pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Chakradhar- pore.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Manbhoon	Parula	0'33	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Gobindpore	0'04	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Raghunath- pore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Barraoh	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

Bengal for the month of May 1887—concluded.

22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Excess rainfall during the month.	Total rainfall from 1st January 1887 up to 31st May 1887.	Average rainfall from 1st January up to 31st May 1887.	Station.	District.	State or division.
...	...	...	...	...	3.73	1.73	0.04	0.24	...	4	...	5.74	1.85	3.73	8.60	3.08	Buxar	Shahabad	South Bihar.
...	...	...	...	...	3.95	1.80	0.04	...	...	...	...	5.81	1.87	3.95	8.84	...	Buxar	Shahabad	South Bihar.
...	...	...	...	...	0.14	2.99	0.05	...	...	...	...	3.13	1.01	0.14	2.99	0.05	Buxar	Shahabad	South Bihar.
...	...	...	...	...	4.10	0.60	...	...	...	...	...	4.75	1.53	4.10	7.77	2.68	Buxar	Shahabad	South Bihar.
...	...	...	...	...	5.30	2.60	1.40	0.00	...	...	...	10.12	3.26	5.30	13.15	4.00	Buxar	Shahabad	South Bihar.
...	...	...	...	...	0.20	0.03	2.27	0.14	...	...	...	8.87	1.58	4.93	11.20	3.59	Aurangabad	Gya	...
...	...	...	...	...	0.44	1.74	1.41	0.34	...	...	...	4.23	1.36	1.41	8.26	3.20	Aurangabad	Gya	...
...	...	...	...	...	0.00	0.83	1.41	0.30	0.07	...	...	2.82	0.91	1.41	8.40	3.07	Aurangabad	Gya	...
...	...	...	...	...	0.02	3.15	0.70	0.34	1.40	...	...	5.72	1.84	3.15	9.12	3.38	Aurangabad	Gya	...
...	...	...	...	...	...	4.00	1.23	0.03	0.70	0.14	...	7.00	2.26	4.00	10.22	...	Aurangabad	Gya	...
...	...	...	...	...	...	3.40	2.50	...	...	...	...	6.90	2.23	3.40	7.90	...	Aurangabad	Gya	...
...	...	...	...	...	0.50	1.98	3.00	0.10	...	...	...	5.58	1.80	0.50	8.73	...	Aurangabad	Gya	...
...	...	...	...	...	0.80	0.85	2.00	...	...	...	...	3.65	1.18	0.80	4.52	...	Aurangabad	Gya	...
...	...	...	...	...	0.18	0.40	0.60	...	0.20	...	...	1.03	0.33	0.18	4.50	...	Aurangabad	Gya	...
...	...	...	...	...	0.08	2.38	1.08	4.80	0.88	0.16	...	1.61	0.52	4.30	11.75	3.57	Panna	Panna	...
...	...	...	...	...	...	3.07	2.33	2.40	1.08	0.20	...	1.34	0.43	3.07	12.03	3.82	Panna	Panna	...
...	...	...	...	...	...	1.50	2.00	0.80	0.78	...	...	1.08	0.35	2.00	10.00	3.00	Panna	Panna	...
...	...	...	...	...	0.05	3.00	2.00	1.00	0.90	0.45	...	1.15	0.36	3.00	10.00	3.00	Panna	Panna	...
...	...	...	...	...	0.20	3.73	1.25	1.80	8.00	...	...	1.10	0.35	3.73	11.70	...	Panna	Panna	...
...	...	...	...	...	...	1.74	0.83	1.83	0.20	0.02	...	1.02	0.33	1.83	12.23	...	Panna	Panna	...
...	...	...	...	...	...	1.04	0.85	0.78	2.20	1.54	...	1.12	0.35	2.20	13.47	4.10	Reganpur	Monghyr	...
...	...	...	...	...	...	1.82	0.84	0.51	0.24	0.01	...	1.23	0.39	0.24	13.05	4.11	Reganpur	Monghyr	...
...	...	...	...	...	0.72	0.45	0.44	1.34	1.72	0.41	...	1.10	0.35	1.72	11.04	4.48	Reganpur	Monghyr	...
...	...	...	...	...	...	2.00	0.85	7.50	2.25	...	...	1.10	0.35	7.50	17.00	...	Reganpur	Monghyr	...
...	...	...	...	...	...	3.00	...	2.00	...	...	...	1.00	0.33	...	7.40	...	Reganpur	Monghyr	...
...	...	...	...	...	0.28	1.69	0.81	0.16	2.46	1.46	...	1.80	0.58	2.46	11.35	3.66	Reganpur	Monghyr	...
...	...	...	...	...	0.10	0.70	1.22	...	2.25	4.05	...	1.72	0.54	4.05	12.81	4.71	Reganpur	Monghyr	...
...	...	...	...	...	...	2.75	1.70	0.10	4.65	1.50	...	1.72	0.54	...	10.75	...	Reganpur	Monghyr	...
...	...	...	...	...	0.12	7.70	1.70	0.32	0.00	4.25	...	0.8	0.25	7.70	26.01	7.14	Reganpur	Monghyr	...
...	...	...	...	...	0.13	2.15	2.83	0.25	2.94	7.05	...	0.8	0.25	2.15	27.03	8.43	Reganpur	Monghyr	...
...	...	...	...	...	0.28	0.55	1.61	0.81	0.41	1.09	...	0.8	0.25	0.55	10.63	3.10	Reganpur	Monghyr	...
...	...	...	...	...	0.73	2.50	2.97	0.04	2.79	1.84	...	1.1	0.35	2.97	10.14	3.10	Reganpur	Monghyr	...
...	...	...	...	...	0.08	0.07	0.54	...	1.38	2.11	...	0.8	0.25	0.07	10.73	3.11	Reganpur	Monghyr	...
...	...	...	...	...	0.25	1.04	1.01	...	1.45	1.70	...	0.8	0.25	1.04	12.14	3.61	Reganpur	Monghyr	...
...	...	...	...	...	0.08	1.20	2.50	0.50	3.35	6.12	...	0.8	0.25	1.20	13.41	3.81	Reganpur	Monghyr	...
...	...	...	...	...	...	1.10	0.25	...	2.10	0.05	...	0.40	0.12	...	8.04	...	Reganpur	Monghyr	...
...	...	...	...	...	...	0.16	0.43	...	1.30	0.30	...	0.8	0.25	0.16	8.53	2.53	Reganpur	Monghyr	...
...	...	...	...	...	0.87	0.31	0.81	...	0.03	0.21	...	0.8	0.25	0.87	8.97	2.62	Reganpur	Monghyr	...
...	...	...	...	...	4.23	1.12	0.18	...	0.93	...	...	0.8	0.25	4.23	8.94	2.62	Reganpur	Monghyr	...
...	...	...	...	...	1.40	5.50	1.70	...	...	...	...	0.8	0.25	1.40	8.50	2.53	Reganpur	Monghyr	...
...	...	...	...	...	0.00	2.87	1.80	...	0.20	...	...	0.8	0.25	2.87	10.40	3.00	Reganpur	Monghyr	...
...	...	...	...	...	0.90	5.58	1.57	0.03	0.28	0.00	...	0.8	0.25	0.90	12.34	3.67	Reganpur	Monghyr	...
...	...	...	...	...	0.40	1.00	1.00	...	2.10	0.80	...	0.8	0.25	0.40	1.10	...	Reganpur	Monghyr	...
...	...	...	...	...	1.30	3.71	...	...	0.24	...	...	0.8	0.25	1.30	8.93	2.62	Reganpur	Monghyr	...
...	...	...	...	...	2.35	3.45	0.11	0.10	...	...	...	0.8	0.25	2.35	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	4.57	0.45	...	...	...	...	...	0.8	0.25	4.57	13.40	3.94	Reganpur	Monghyr	...
...	...	...	...	...	0.30	0.35	1.81	...	...	...	...	0.8	0.25	0.30	8.87	2.62	Reganpur	Monghyr	...
...	...	...	...	...	1.30	2.00	...	...	0.70	...	...	0.8	0.25	1.30	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	1.40	2.23	...	...	...	...	...	0.8	0.25	1.40	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	...	2.50	2.39	...	...	...	...	0.8	0.25	2.50	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	1.68	1.50	0.85	0.08	...	...	...	0.8	0.25	1.68	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	0.96	1.20	0.30	0.80	...	0.10	...	0.8	0.25	0.96	12.07	3.54	Reganpur	Monghyr	...
...	...	...	...	...	3.89	0.43	...	...	0.31	...	...	0.8	0.25	3.89	10.70	3.16	Reganpur	Monghyr	...
...	...	...	...	...	1.07	0.28	0.35	...	...	...	...	0.8	0.25	1.07	7.51	2.19	Reganpur	Monghyr	...
...	...	...	...	...	2.50	...	0.41	...	...	...	...	0.8	0.25	2.50	8.83	2.59	Reganpur	Monghyr	...
...	...	...	...	...	0.67	1.23	0.65	0.80	...	2.32	...	0.8	0.25	0.67	8.47	2.46	Reganpur	Monghyr	...
...	...	...	...	...	0.72	0.80	0.81	...	1.04	0.42	...	0.8	0.25	0.72	7.08	2.07	Reganpur	Monghyr	...
...	...	...	...	...	1.25	1.75	2.15	0.10	0.15	...	...	0.8	0.25	1.25	10.01	2.92	Reganpur	Monghyr	...
...	...	...	...	...	0.85	0.35	...	...	...	1.07	...	0.8	0.25	0.85	7.35	2.15	Reganpur	Monghyr	...
...	...	...	...	...	2.00	...	...	...	...	2.34	...	0.8	0.25	2.00	8.33	2.45	Reganpur	Monghyr	...
...	...	...	...	...	1.10	1.40	...	...	...	1.10	...	0.8	0.25	1.10	7.10	2.10	Reganpur	Monghyr	...

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-  
TIONS TAKEN IN ASSAM, DURING THE MONTH OF MAY 1887.**

It should perhaps be remarked that this is the first monthly report in which are included the meteorological observations taken daily at the three most important stations in Assam; it is therefore possible now to deal with the meteorology of Bengal and Assam as a whole, and this will be the case throughout the south-west monsoon season. No additional stations in Assam, however, report rainfall to Calcutta, as is the case with the Bengal stations, and therefore it is only possible to deal with the general meteorology of Assam, and the distribution of rainfall over this area cannot in any way be discussed.

The normal meteorological conditions in Bengal during May are to a considerable extent similar to those of April. There is the steady and increasing difference of temperature between the land and the sea area, and in this month this difference attains almost its maximum. The area of maximum temperature during May includes the western districts of South Behar, the North-West Provinces, Rajputana and Central India. With the increasing temperature of the land surface, the southerly winds blowing from the Bay of Bengal strengthen considerably, and owing to the physical obstacles of the hill systems to the east and north of Bengal, they appear as south-easterly winds in East Bengal, and as easterly winds in North Bengal. At the same time, however, the usual hot, dry westerly winds are blowing over considerable portions of Behar and Chutia Nagpur, and thus during May, as explained in previous monthly reports, conditions are favourable to the production of the local storms called nor'-westers. These, it is probable, are produced by the action of the opposing winds in elevating the moist sea breezes, and by this ascensional motion their water vapour is condensed, and sufficient energy is at the same time liberated to produce the well-known effects of these storms.

The southerly breezes which blow during this month at the head of the Bay are of considerable strength, and in fact at Saugor Island and False Point the wind velocities measured in May are generally greater than those during the actual rainy season, but there is reason to believe that during May the current is of comparatively small depth compared to what it is during the actual monsoon period. These winds, however, carry considerable amounts of moisture into East and North Bengal, and in the neighbourhood of the hills ascensional movement takes place, followed frequently by local storms and by heavy rainfall. This action will account for the large rainfall which occurs during this month in the northern and eastern districts of the province.

During May the distribution of the normal rainfall is simple, and the lines of equal rainfall run nearly north and south through the province, or rather almost parallel to a line joining the Chittagong Hill Tracts, the Tipperah Hills, the Garo Hills, and the Darjeeling Hills, the largest amounts being received in the eastern and northern districts, and smallest amounts in the western districts. Thus the average rainfall of the month is less than 2 inches in the southern parts of the Sarun and Mozufferpore districts, the Gya and Shahabad districts, and the western parts of Chutia Nagpur. To the east of these districts, up to a line running nearly north from the mouth of the Hooghly, the rainfall increases from 2 up to 5 inches. To the east of this, up to a line passing through Rungpore, Jamalpore, Mymensing, Bramunberia, Comilla, and Cox's Bazar, the average rainfall increases eastwards from 5 to 10 inches. To the east of that line it exceeds 10 inches, and increases rapidly in amount towards the Garo and Khasia Hills and towards the Dooars, and at Buxa in the Western Dooars, the average rainfall in May is no less than 25.58 inches.

The meteorology of May is generally rather important, for about the second or third week, the south-west monsoon makes its appearance in the south of the Bay, and gives heavy rain and fairly strong winds at the South Ceylon stations. The monsoon current gradually creeps up the east of the Bay, and reaches in along the Arakan coast towards the close of the month, and it afterwards spreads into East and North Bengal early in June.

In the front of the advancing monsoon current frequently cyclonic storms arise, which are sometimes small and feeble, and at other times larger and of considerable intensity. When these cyclonic storms are formed quite in the south of the Bay, they usually advance towards the Madras coast; but when the storms originate rather later, that is, when the monsoon current has advanced well into the centre of the Bay, the storms which then arise appear usually to advance either towards the Arakan coast, or towards the South Bengal coast.

*Meteorology of the month.*—The principal features of interest in the meteorology of the past month have been—

- (1) a mean barometric pressure very decidedly below the normal;
- (2) temperature also distinctly above the normal or the average of the month;
- (3) rainfall very largely above the normal in all districts except East Bengal;
- (4) a period of disturbed conditions during which local storms, or nor'-westers, were numerous from the beginning of the month to the 4th, another period from about the 9th to the 14th, then a period of comparative absence of rainfall, during which an advance of south-west monsoon winds took place in the south of the Bay, and which carried the monsoon current to

- about the Andaman Islands, where a small but very fierce cyclone was subsequently formed, and which, after intensifying, travelled slowly in a north-westerly direction and crossed the coast close to and on the east side of Balasore on the morning of the 26th, passing through Chutia Nagpur into South Behar when it dispersed;

(5) the inrush of monsoon winds following after the storm which spread over Bengal, and which gave heavy and general rainfall over the whole province.

At the close of April weather conditions over Central and South-West Bengal were a little disturbed, and in consequence local storms were rather numerous over the province. These conditions continued to hold good for the first four days of May, and nor'-westers were numerous during this period in South-West Bengal, East Bengal, North Bengal, and Chutia Nagpur, but the majority of the storms were not of a very violent character, and the rainfall accompanying them was in most cases light. A rapid rise in pressure took place on the 4th and 5th, when conditions became more normal and rainfall almost ceased; but on the 8th of May the changes of pressure which took place produced a distinct barometric depression over the western parts of the province, producing also a tendency for the winds to circulate round the depression. These unsettled conditions were immediately followed by rainfall, and local storms again became numerous in various parts of the province between the 9th and the 18th, the rainfall being generally heaviest in East Bengal. With the occurrence of these disturbed conditions, the pressure over the province became largely below the normal, but when these disturbed conditions disappeared, the tendency of the changes which took place in the third week was to bring back to a great extent the ordinary hot weather conditions to the province, and this period was marked by increasing pressure and temperature, a decrease in humidity, particularly at the western stations, and usually by absence of rain, except in Assam, which received rather heavy rain at this time.

Though the period from the 13th to the 20th May had, from a meteorological point of view, been a quiet and normal one in Bengal, certain changes had been taking place in the Bay of Bengal. Stormy winds were blowing in the south of the Bay at the close of the previous week, but they shortly died away and became almost normal in force. On the 18th instant, however, winds began to increase in force again at the southern stations, and winds became north-easterly at Diamond Island and easterly at Akyab. On the 19th winds again strengthened in Ceylon, pressure fell at Diamond Island, where wind became south-east, and wind at Akyab became north-east. These conditions developed still further on the 20th; and on this day it became clear that a cyclonic storm was forming to the west and north-west of the Andaman Islands, and the formation of the storm was being accompanied by a large increase in the wind velocity at Diamond Island. Conditions therefore at this period had become decidedly disturbed in the Bay; and in the centre and south-east of it probably at this time weather was decidedly stormy. This cyclonic storm has naturally formed the principal feature of the remainder of the month, and the following description of its history is taken from the weekly meteorological reports issued from this office:—

The meteorology of the period from 20th May to the end of the month in Bengal has practically consisted in the history of the development and movement of this storm, which finally struck the coast near Balasore, and between that place and Saugor Island on the morning of Thursday, the 26th. During the period of formation and advance of the storm, the hot weather conditions in Bengal, which had existed for the previous week, became somewhat intensified; the winds fell off in strength and became a little variable in direction; humidity and temperature were very high, and weather generally very oppressive; but with the advance of the storm over the land, a total change of conditions took place. A strong burst of monsoon winds following the storm passed over the province, much rain was recorded, temperature fell largely, humidity became very high, and ordinary rainy season conditions obtained over a large part of the province.

As stated previously, the storm appeared to be forming on the 20th in the centre of the Bay to the west or north-west of the Andaman Islands. On the 21st the land observations appeared to show that it had somewhat intensified, and that it had moved very slowly in a northerly direction, though it was still to the south-west or west-south-west of Diamond Island. At this time it was on the east side of the centre of the Bay, and practically the only observations which showed its existence were those at Diamond Island, and even these did not indicate that it was a very severe storm. On the 22nd the pressure rose at Diamond Island, indicating that the storm was moving away from that station, and, so far as the land observations round the Bay showed, the storm had moved very slowly in a north-westerly or west-north-westerly direction. On the 23rd the position of the storm did not appear to have altered much, so far as the observations at the coast stations indicated; but it is probable that the storm was still slowly travelling in a north-westerly direction, for on the following day the pressures and wind directions recorded at the coast stations round the Bay indicated that the centre of the storm was about in the latitude of Vizagapatam and probably to the west of the centre of the Bay. In the Bay of Bengal daily chart for that day, the position of the storm was, as has been proved from subsequent observations, marked too far to the west of the Bay, and too near the coast of the Circars; but at that time all the indications at the coast stations pointed to the probability that the storm would cross the Ganjam coast south of Gopalpur or north of Vizagapatam. Observations received during



the afternoon and night of the 24th showed that the storm was still travelling northwards, and the 6 A.M. observations showed that the storm area was approaching the latitude of False Point and was gradually nearing the land. On receipt of these observations at 8-30 A.M. on the 25th, orders were given to hoist warning signals in the Hooghly, indicating that a cyclonic storm would pass between False Point and Saugor Island. The centre of the storm finally reached the coast close to Balasore at about 4 or 4-30 A.M. of the 26th, and it continued to travel in a north-north-westerly direction, and at 10 A.M. was west-south-west of Midnapore. It must have then passed to the east of Ranches, through Chutia Nagpur, and at 10 A.M. of the 27th the centre of the storm was between Gya and Hazaribagh, and was very rapidly filling up and disappearing. In the interval from 10 A.M. of the 26th to the 27th the storm had travelled about 100 to 180 miles in a north-north-westerly or north by westerly direction, or probably at the rate of about 7 miles an hour. The storm therefore appears for the first few days to have moved very slowly in a north-westerly direction; it then advanced more rapidly, and the direction of its movement became more northerly, and over the land it advanced in a north-north-westerly direction.

The cyclone proved to be much more intense than was judged to be the case from the land observations, and near the centre of the storm, weather was excessively stormy, winds were exceedingly fierce, the sea was extremely high, and pressure fell very low. With regard to the force of the wind, a velocity of 60 miles an hour was registered at False Point on the evening of the 25th for the period 5-40 to 7-40 P.M. At Saugor Island a velocity of 67 miles an hour from 6 to 7 A.M. and from 8 to 9 A.M. of the 26th was registered. It must be remembered, too, that these figures represent only the average velocity of the wind for the times named, and that they do not in any way represent the force of the gusts which must have been much larger than those indicated. It is therefore not surprising that the anemometers at Saugor Island and Balasore were carried away by the wind, while at the river stations the fierceness of the wind was so great that the storm signal arrangements were at each station damaged, and could not be displayed for a portion of the time. The river signals remained hoisted practically for 48 hours until the morning of the 27th. The lowest pressure at any land station recorded was at Balasore at 4-30 A.M. on the 26th, where a pressure of about 28.42 inches (corrected to 32° and sea level) was registered. The lowest pressure registered at Saugor Island was only 29.180" at 4-5 A.M. of the 26th, so the storm centre must have been much closer to Balasore than to Saugor Island.

On Saturday, the 28th, a very rapid increase of pressure took place over the whole province, the rise being most rapid in South Behar and Chutia Nagpur. These changes accompanied the rapid filling up of the cyclonic storm, and on this day the storm had practically ceased to exist as anything more than a pronounced barometric depression. The centre of this depression was to the east of Gya, and therefore the storm, or what remained of it, had remained practically stationary since the 27th, or perhaps had only advanced very slightly in a northerly direction. Winds, however, continued to circulate cyclonically round this centre, and both over the area occupied by the depression, and to the south of it, strong winds were blowing. The storm was thus clearly and rapidly breaking up, and with its disintegration excessively heavy rainfall was reported over Behar and North Bengal. On the 29th pressure again increased, the rise being largest in South Behar, where at some stations the increase exceeded a tenth of an inch, and on this day even the slight barometric depression, which was all that had remained of the previous violent cyclone, practically filled up and disappeared. The life history of this cyclone may therefore be said to have lasted from the 19th or 20th of May up till the 29th, a period of 9 or 10 days only, of which the first two or three days, up till about the 22nd or 23rd, were occupied in its development and intensification, the next two or three days in its advance over the sea, till on the morning of the 26th the centre of the storm crossed the coast a little to the east of Balasore, while the remaining three days were occupied in its advance over the land and its rapid diminution in intensity until it finally died away in South Behar on the 28th and 29th. Though generated decidedly rapidly, it was of very much greater fierceness than is usual in storms formed at the commencement of the south-west monsoon; but on the other hand it was comparatively small, and the destructive part of the cyclone, or where the winds were very intense, does not appear to have been more than perhaps 100 to 150 miles across.

The rainfall brought up by this storm, particularly near the central line of its advance, was exceedingly heavy, though perhaps it was almost equalled by that produced by the storm when it commenced to disintegrate in Behar and North Bengal. Near the central line of advance the following stations reported rainfalls of more than five inches within 24 hours:—False Point, Jajpore, Dhumsala, Chandbali, Bhuddruck, Burdwan, Arrasah, Purneah, Arrah, Rajmahal, Pakour, Chatra, and Chyebasa.

Though the cyclonic storm thus ceased to exist on the 29th, the rainfall which was brought up by the storm, and that due to the powerful inrush of monsoon winds in the wake of the storm, continued for several days longer: in most districts the fall practically did not cease even up till the close of the month. The storm may in fact be said to have commenced the rainy season in Bengal, for the southerly monsoon winds having once penetrated over the province, they will probably not again retreat, though of course a diminution in the strength of the current must be expected before a further inrush of monsoon winds accompanied by heavy rainfall will take place. The rainfall which was brought about by the storm in its disappearance, and the rainfall subsequent to it, has been of extraordinary heaviness, and



some stations reported nearly 20 inches of rain within 24 hours. These heavy rainfalls will again be referred to under their appropriate headings.

**Pressure.**—The variations of pressure during the month have been large, particularly during the time when the cyclone was forming, and afterwards while it was passing through the western districts. For the first week of the month, though the fluctuations were rather large, the mean pressure for the period was not very far removed from the normal, and the general average pressure of the province may be said to have been about 0.005" below the normal. During the second week pressure fell almost steadily, and at its close it was largely below the normal, and the average defect for the whole of Bengal and Assam was equal to about 0.07". In the third week pressure rose slowly at first, and then fell with the formation of the cyclone, so that for the week the mean pressure was below the normal by considerable amounts, averaging about 0.08". During the last part of the month the cyclone had formed, and in its advance pressure fell rapidly and rose again as the storm passed away. As previously stated, the very low pressure of 28.42" (corrected) was recorded at Balasore, which was near the central track, and on board one of the pilot brigs, which appears to have passed through the centre of the storm, a pressure of 28.2" (uncorrected) was recorded. The changes of pressure during the passage of the storm were very rapid, and thus at Midnapore, which was some distance from the centre, from the morning of the 26th to the 27th there was a rise of nearly half an inch. For the whole month pressure has been distinctly below the normal at all stations, and in Bengal, taking into account only those stations from which records are available for a number of years, the mean average pressure for the month has been in defect of the normal by 0.052". The largest defects have occurred in Orissa, where at Gopalpoore and False Point they are 0.08", and the smallest in East Bengal, where they are 0.039" at Chittagong and 0.023" at Dacca. In Assam the average pressure has been in defect of the normal by an almost similar amount to that in Bengal, and the defect is 0.051", and this defect is evenly distributed over the whole area.

**Temperature.**—Variations have also been large throughout the month, and have depended to a great extent on the distribution of the rainfall. Thus during the first few days of the month it was comparatively low, but with the cessation of the rainfall due to the local storms it rose rapidly. The average temperature of the whole province was therefore nearly normal, but in Assam there was a distinct excess. Owing to the absence of rain in the second week temperature rose very rapidly and became largely above the normal in almost all districts, the mean excess for the seven days in such districts as North Bengal and Assam being between 5° and 6°. In the third week of the month rainfall was very plentiful in Assam, and temperature in that district fell and became normal, but in other districts, where rainfall was to a great extent absent, temperatures continued largely above the normal, Chutia Nagpur showing an average excess of 7.1°, North Behar of 5.9°, and South Behar of 5.5°, &c. In the last week, as stated before, conditions underwent a complete change with the advance of the cyclone over the western districts, and with the setting in of rainfall temperature fell most rapidly; as it had previously been largely above the normal, the mean temperature for the last week of the month showed an almost normal temperature, except in Assam, where it was 2.4° in excess. For the whole month the variations from the normal have been comparatively small. East Bengal, North Bengal and North Behar show an excess of from 1° to 2°; in South Behar and Chutia Nagpur the excess is very slight, being less than 1°; and in South-West Bengal and Orissa temperature has been one and two-tenths of a degree in defect. The largest variation from the normal has been in Assam, where the mean temperature has been 2.3° in excess.

The hottest period of the month was the third week, during which some extremely high maximum temperatures were recorded, and the following are the highest maximum temperatures in each division of the province during the period:—

Division.	Date.	Station.	Temperature.
1887.			
Orissa	16th May	Cuttack	113.9°
South-West Bengal	19th "	Raneegunge	110.0°
East Bengal	19th "	Burrisal	94.3°
North Bengal	19th "	Rampore Beaulah	106.4°
North Behar	18th "	Chupra	109.0°
South Behar	19th "	Gyn	110.1°
Chutia Nagpur	16th "	Hazaribagh	106.6°
Assam	19th "	Silchar	93.6°

**Rainfall.**—The times and causes, and to a certain extent the distribution, of the rain falling over the province have already been referred to under the meteorological summary; it therefore only remains to deal with the amounts which have been received.

In dealing with the rainfall of Assam, it must be remembered that the figures in the tables only represent the rain recorded at the three representative stations—Sibsagar, Dhubri and Silchar. So far as can be judged from these stations, the distribution of rainfall

in Assam in May has been as follows:—In the first week light rain (about an inch) fell in all districts, the rainfall being heaviest (1·80 inches) at Silchar. In the second week Silchar received the smallest fall (0·70 inch), moderate rain (1·86 inches) fell in Dhubri and heavy rain (3·41 inches) at Sibsagar. In the third week moderate rain (from two to two and a half inches) fell at Sibsagar and Silchar, and very heavy rain (7·55 inches) at Dhubri. In the week ending the 27th, Dhubri received little or no rain, Silchar 1·48 inches, and Sibsagar 4·01 inches. Light rain continued to be general till the close of the week, and it was only quite at the end of May and beginning of June that Assam began to feel the effect of the rush of monsoon winds following after the cyclone. For the whole of May the following are the total amounts of rain recorded at the Assam stations:—Dhubri 14·29 inches, Sibsagar 13·52 inches, Silchar 6·45 inches.

In Bengal the greater part of the rain was brought up by the cyclone and its attendant rush of monsoon winds, and thus the last six days of the month have been those of most general and heaviest rainfall. As has been previously stated, some extraordinarily heavy falls of rain accompanied the breaking up of the storm, and on 1st June the excessive fall of 19·67 inches was reported at Dewangunge in the Mymensingh district. Chandbali also, on the 25th, reported the very large fall of 11·50 inches, while a very large number of stations indeed have received falls of between 5 and 10 inches in a single day. The normal distribution of rainfall in Bengal in May has already been described, but in the present month this distribution has been disturbed by the passage of the cyclone. There are thus two areas of heavy rainfall—the first, which is present in normal years along the line of hills in the north and north-east of the province, while in addition the track taken by the cyclone is clearly marked by the production of another area of excessive precipitation. This starts from the coast of Orissa (from about Balasore to Chandbali and False Point, and runs in a north-westerly direction a considerable distance into Chutia Nagpur. Over this area the rainfall varies from about 10 to 15 inches, and on either side of this area of heavy rainfall the amounts diminish to the east and west, until, on the eastern side, the amounts again increase in connection with the normal distribution of rainfall during May, which is produced by the lines of mountains to the north and north-east of Bengal. Over considerable parts of the area, in and near the hills in North Bengal the rainfall has varied from 15 up to nearly 30 inches of rain during the month.

Compared with the normal fall for May, by far the greater part of the province shows a large excess. To the east of a line drawn from about the mouth of the Hooghly to the west of the Garo Hills to Kurigram in North Bengal, rainfall has been in defect of the normal. The area of defect, therefore, includes practically the whole of East Bengal, the south-eastern districts of South-West Bengal, and few stations in North Bengal. The defect increases towards the eastern districts, and at such stations as Netrokona, Kishoreganj, Naraingunge and Comilla it exceeds 5 inches. The greater part of the remainder of the province has received an excess fall, the excess ranging up to 5 inches. A band of still larger excess varying from 5 up to 10 inches runs from parts of the Balasore and Cuttack districts through Chutia Nagpur to Aurangabad in the Gya district, that is very nearly the track of the centre of the cyclone. The greater part of Central Bengal, South Behar, the eastern part of North Behar, and North Bengal have also received an excess fall, ranging from 5 to 10 inches, while the Farnesh and Dinagepore districts and part of the Rungpore, Southal Pergunnahs, Jalpigoree and Darjeeling districts have received excess falls of more than 10 inches.

North Bengal has received the largest fall, and the stations in this district have received an average amount of 13·31 inches against the normal average of 8·41 inches. This district has therefore received a fall equal to 158 per cent. of the normal. The next largest fall has been received in South Behar, which averages 8·58 inches against a normal of 2·03 inches, the actual fall is therefore 423 per cent. of the normal. South-West Bengal has averaged 7·52 inches against a normal of 5·27 inches, or the actual fall represents 139 per cent. of the normal. Orissa has received 7·10 inches against 3·68 inches, and the fall is therefore 193 per cent. of the usual amount. Chutia Nagpore has received 7·05 inches, against the normal 2·43 inches, the percentage of the normal is therefore 306. East Bengal has received 6·75 inches, but as the normal fall is 9·52 inches, this district has been in defect, and the actual only represents 81 per cent. of the normal; and finally North Behar has received the smallest fall and records 5·06 inches against the normal 2·86 inches, and the actual has therefore been 176 per cent. of the normal. Assuming that these districts have an equal value in the calculation, the general fall of rain in Bengal during the month of May may be said to be equal to 211 per cent. of the normal fall for the period.

The following table gives full data for the comparison of the actual and the normal rainfall of the month of May in all districts of the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage

how much the district rainfall of the month varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100:—

DIVISION.	DISTRICT.	Normal district rainfall, May 1887.	Actual district rainfall, May 1887.	Percentage of actual to normal rainfall.	Percentage excess (+) or deficit (-).
Orissa	Pooree ...	279	260	93	- 7
	Cuttack ...	381	763	198	+ 98
	Balasore ...	480	1051	214	+114
South-West Bengal	Midnapore ...	614	594	116	+ 16
	24-Pargunnahs ...	678	514	89	- 11
	Howrah ...	579	538	93	- 7
	Hoochly ...	634	545	102	+ 2
	Burdwan ...	611	1010	198	+ 98
	Bankura ...	384	461	119	+ 19
	Beerbhoom ...	331	861	260	+180
	Nuddea ...	657	973	148	+ 48
	Khoulna ...	665	790	120	+ 20
	Jessore ...	708	536	76	- 24
East Bengal	Meorshedabad ...	481	1082	221	+121
	Chittagong ...	951	820	86	- 14
	Baekergunge ...	774	808	104	+ 4
	Noakhully ...	978	459	88	- 12
	Furreedpore ...	806	519	90	- 40
	Dacca ...	898	566	63	- 37
	Comilla ...	1039	606	58	- 42
North Bengal	Mymensingh ...	972	647	67	- 83
	Pubna ...	727	621	72	- 28
	Bogra ...	620	802	129	+ 29
	Rajshahy ...	439	1027	234	+134
	Maldah ...	644	1524	237	+137
	Dinagopore ...	1117	1607	141	+ 41
	Rangpore ...	1426	1745	122	+ 22
	Cooch Behar ...	1182	2279	193	+ 93
North Behar	Julpigori ...	788	1554	198	+ 98
	Darjeeling ...	546	2047	375	+276
	Purneah ...	396	1053	266	+166
	North Bhagulpore ...	268	681	246	+146
	Deirhunga ...	243	644	266	+166
	Mozufferpore ...	257	260	97	- 3
South Behar	Chumparin ...	196	498	256	+156
	Saran ...	131	571	434	+334
	Shahabad ...	163	513	315	+215
	Gya ...	207	727	352	+252
	Patna ...	219	894	395	+295
	Monghyr ...	205	862	326	+226
Chutia Nagpur	South Bhagulpore ...	392	1280	326	+226
	Sonthal Pargunnahs ...	536	619	410	+810
	Hazaribagh ...	151	1140	295	+195
	Boharidugga ...	263	608	264	+154

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the Province for the month of May 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.							
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal (neutral) of month.	Of month.		Rainy days.		Since 18th May 1887.			
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa.	113.0	69.9	82.3	79.8	80.1	-0.2	7.10	8.08	+3.48	58	72	-14	6.68	1.9
South-West Bengal	119.0	64.0	85.3	77.7	80.6	-0.1	7.52	8.97	+2.08	9.0	9.0	+0.0	4.68	2.60
East Bengal	103.3	65.1	80.1	70.6	80.2	+1.7	6.78	9.83	-2.77	9.0	13.2	-4.2	1.78	4.81
North Bengal	103.4	68.7	85.0	74.3	83.7	+1.6	15.31	8.41	+6.90	11.8	11.8	+0.0	11.25	6.10
North Behar	109.3	64.7	80.2	77.0	80.9	+1.4	6.00	2.86	+2.20	7.1	6.9	+0.2	8.16	1.68
South Behar	110.0	67.0	88.0	78.7	88.7	+0.2	8.58	8.03	+0.55	6.7	6.0	+0.7	7.89	1.80
Chutia Nagpur	108.5	63.7	87.4	74.7	84.1	+0.0	7.05	3.40	+4.62	6.4	6.0	+0.4	8.00	1.36
Assam	102.1	65.4	89.1	74.1	81.0	+2.8								

\* Chitaboon not included.

METEOROLOGICAL OFFICE, BENGAL;

ALEXANDER PEDLER,

The 10th May 1887.

Offy. Meteorological Reporter to the Govt. of Bengal.

# Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.												
DISTRICT.	Representative station.	AIR PRESSURE.			WIND.		TEMPERATURE.								
		Mean barometric height 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	
CHINA.	Pooree	Gopalpore	29.571	29.021	-.550	SW	27.6	90.0	14th June	81.0	10th June	88.3	82.0	85.2	-.3
	Pulse Point	Pulse Point	29.536	29.024	-.512	Southerly	20.5	90.5	10th ..	79.5	8th, 9th June.	88.3	80.4	84.0	-2.1
	Cuttack	Cuttack	29.542	29.023	-.519	SSW	7.5	105.4	9th ..	77.0	5th ..	90.0	78.8	84.4	-0.3
	Balasore	Balasore	29.554	29.015	-.539	S	347.9	86.4	5th, 6th June.	77.7	3th ..	83.3	78.0	80.5	+0.3
SOUTH-WEST BENGAL.	South-West Midnapore	Hanger Island	29.608	29.034	-.574	S	50.5	92.9	10th ..	81.0	10th ..	81.9	82.9	87.0	+0.4
	South 24 Pargunnahs	Midnapore	29.470	29.018	-.452	& Calm	145.7	101.3	8th ..	75.3	4th ..	98.9	78.7	86.8	-0.7
	24 Pargunnahs	Calcutta	29.598	29.010	-.588	SSW	137	94.0	8th, 9th June.	72.7	6th, 7th June.	90.1	76.8	84.0	-1.2
	Howrah	Burdwan	29.520	29.010	-.510	S	95	97.7	10th ..	77.9	4th, 6th June.	95.7	79.0	87.4	+0.4
	Hooghly	Bankura	29.520	-	-	Calm	27.1	99.1	7th ..	75.0	6th ..	90.4	78.4	87.8	-
	Burdwan	Barasat	29.520	-	-.517	Southerly	70.7	100.0	7th ..	73.4	5th ..	97.1	77.0	87.5	-3.2
	West Burdwan	Berhampur	29.520	-	-.518	Southerly	82.0	98.0	6th ..	72.8	6th ..	92.7	77.4	85.1	-1.2
	Meerabadabad	Krishnagar	29.579	-	-	Southerly	111.7	105.8	7th ..	74.8	4th ..	93.6	77.1	85.4	-
	Nadua	Jessore	29.579	-	-.527	Southerly	98.7	95.3	7th, 8th June.	76.4	5th ..	100.3	79.3	84.8	+1.3
	Jessore	Chittagong	29.598	29.027	-.571	SEE	90	90.1	10th ..	70.6	6th ..	88.4	75.6	82.1	+0.3
EAST BENGAL.	Chittagong Hill Tracts	Domnari	29.598	29.027	-.571	Observations not received.									
	Backergunge	Barisal	29.584	29.057	-.527	Calm & Southerly, SE, Calm	130.7	92.8	9th June	74.0	5th ..	94.6	79.1	84.0	-
	Nonkholly	Nonkholly	29.584	29.057	-	SE, Calm	23.5	100.0	9th ..	70.9	5th ..	89.0	77.8	83.2	-
	Farrakka	Farrakka	29.584	-	-.527	SE	118.6	89.0	4th ..	70.9	5th ..	87.4	78.0	82.7	+1.7
	Dacca	Dacca	29.584	29.057	-.527	SE	134	95.1	5th ..	73.1	5th ..	91.5	77.2	84.3	+0.3
	Comilla	Comilla	29.584	29.057	-.527	SE	134.9	95.3	10th ..	70.8	5th ..	91.9	78.5	84.2	+1.6
	Mymensingh	Mymensingh	29.584	-	-.527	SE	80.7	91.3	10th, 11th June.	72.1	5th-7th June.	88.2	76.3	82.4	+0.3
	Bohga	Bohga	29.584	29.057	-	Calm, ESE, & SE	100.1	92.3	5th ..	73.8	5th-7th June.	88.4	76.1	82.0	-
	Pubna	Sorajgonjo	29.584	29.057	-.527	SE	90.1	92.0	9th ..	73.7	5th, 6th June.	90.7	78.0	84.3	+0.3
	Rajshahi	Rajshahi	29.584	29.057	-.527	SE	70.8	93.3	10th ..	71.7	5th ..	91.2	78.5	84.0	-2.4
NORTH BENGAL.	Maldah	Maldah	29.584	-	-	E, Calm	81.1	97.8	9th ..	74.5	7th ..	92.4	77.8	85.1	-
	Dinapore	Dinapore	29.584	29.057	-.527	Southerly	81.4	94.1	10th ..	73.1	6th ..	89.4	77.1	83.0	-1.4
	Rungpore	Rungpore	29.584	29.057	-.527	Southerly	97.0	92.8	9th, 10th June.	70.7	6th ..	85.5	74.1	81.0	-0.1
	Jalpaiguri	Jalpaiguri	29.584	29.057	-.527	SE	101.2	93.0	10th ..	65.8	6th ..	85.3	74.7	81.0	-0.1
	Cooch Behar	Cooch Behar	29.584	29.057	-.527	SE	101.2	93.0	10th ..	65.8	6th ..	85.3	74.7	81.0	-0.1
	Darjeeling Hill Districts	Darjeeling	29.584	-	-.527	Calm	101.1	93.6	10th ..	49.6	5th ..	44.7	69.7	54.2	+0.2
	Purneah	Purneah	29.584	29.057	-.527	Calm	12.1	94.2	10th ..	69.4	7th ..	90.4	76.0	83.0	-0.1
	North Bhagalpore	North Bhagalpore	29.584	29.057	-.527	Observations suspended.									
	Monroepore	Monroepore	29.584	29.057	-.527	Observations suspended.									
	Durbhanga	Durbhanga	29.584	29.057	-.527	Easterly	139	95.4	10th June	73.5	4th ..	91.0	77.8	84.3	-2.3
SOUTH BENGAL.	Chumpran	Motilari	29.584	29.057	-.527	SE	127.4	95.8	1st ..	72.0	9th ..	91.9	76.1	84.0	-3.6
	Baran	Chupra	29.584	-	-.527	ESE	159.5	105.3	8th, 7th June	77.5	6th ..	92.3	80.3	86.4	-4.7
	Dehree	Dehree	29.584	29.057	-.527	Variable	133.0	99.3	8th ..	78.0	6th ..	94.8	81.0	87.9	-1.7
	Shahabad	Buxar	29.584	29.057	-.527	Variable	102.7	98.4	8th, 10th June.	78.2	6th ..	90.4	79.7	85.1	-3.1
	Arrah	Arrah	29.584	29.057	-.527	Easterly	85.1	97.4	10th ..	78.1	8th ..	94.7	79.9	87.5	-
	Gya	Gya	29.584	29.057	-.527	Variable	62.9	102.0	7th ..	77.3	9th ..	93.4	82.3	87.8	-2.1
	Patna	Patna	29.584	29.057	-.527	ESE	93	100.0	6th ..	76.2	6th ..	92.0	79.3	85.1	+5.3
	South Bhagalpore	South Bhagalpore	29.584	29.057	-.527	Variable	88.8	97.4	9th ..	76.0	6th, 7th June.	92.5	78.3	85.0	-1.5
	Monghyr	Monghyr	29.584	29.057	-.527	Variable	88.8	97.4	9th ..	76.0	6th, 7th June.	92.5	78.3	85.0	-1.5
	South Pargunnahs	Deoria	29.584	-	-	Calm	8.4	100.0	9th ..	75.8	6th ..	93.0	77.6	85.3	-
CHINA.	Hazratnagar	Hazratnagar	29.584	29.057	-.527	Variable	318.0	100.0	6th ..	73.6	9th ..	90.0	76.8	83.4	-0.3
	Lehrdunga	Lehrdunga	29.584	29.057	-.527	North-westerly	137.0	100.0	3th ..	69.4	5th ..	97.3	74.4	85.9	-1.3
	Manikpore	Manikpore	29.584	-	-	Southerly	90.2	101.8	5th ..	77.0	9th ..	100.5	80.1	90.3	-
	Bihar	Bihar	29.584	29.057	-.527	SE	48	94.1	10th ..	75.0	6th ..	89.2	75.2	82.2	-0.3
	Assam	Assam	29.584	29.057	-.527	SE	50	94.2	9th ..	72.8	8th ..	86.6	78.8	82.0	-2.1
ASSAM.	Silchar	Silchar	29.584	29.057	-.527	Calm	79	94.0	9th ..	70.3	7th ..	88.8	79.9	84.7	-3.0

1. **Barometer.**—The normal mean in air pressure and temperature are the arithmetical average of means of the readings during the same period for the district. The normal mean in air pressure is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by c and an overcast sky by o. The normal mean in air pressure is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by c and an overcast sky by o. The normal mean in air pressure is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by c and an overcast sky by o.

Means for 10 days.

the week ending Friday, the 10th June 1887.

[illegible]

The variances are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. Under the label "District observations of rainfall, the normal mean is computed assuming the max. of the 51 observed, the whole day being assumed to be at the district. 6. s. from the total rainfall at the corresponding

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of June 1887.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of May.	Average total rain-fall from 1st of May.	Total rain-fall since 13th May 1887.	Average rain-fall from 13th May to date.
			Saturday, June.	Sunday, June.	Monday, June.	Tuesday, June.	Wednesday, 8th June.	Thursday, 9th June.	Friday, 10th June.	Number of rainy days.	of Rainfall week.				
NORTH-WEST BENGAL.	Purulia	Purulia	0.00	0.00	0.00	0.00	0.01	0.00	0.04	2	0.05	0.04	1.23	1.00	
		Khurda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.40	2.00	
		Rampur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.10	12.31	
		False Point	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.33		
		Pipri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.33		
	Cuttack	Jagatsinghpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	0.00		
		Banki	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.71		
		Cuttack	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.78		
		Kendrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.63	6.21	
		Jajpur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	3.19	8.00	
	Balasore	Dharmasalla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.78		
		Satigra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.78		
		Chandrabali	0.00	0.15	0.00	0.00	0.00	0.00	0.00	1	0.15	0.15	1.00	23.36	
		Bhadrak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.00	9.12	
		Sorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.00		
	Midnapore	Balasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	1.33	10.01	
		Jellapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.33	5.31	
		Karpodah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.33		
		Contai	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	2.00		
		Sankar Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	2.31	2.71	
	24-Pergunnahs	Tinsuk	0.00	1.00	0.00	0.00	0.00	0.00	0.00	2	1.00	1.00	1.20	5.30	
		Madanpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.11	0.11	2.40	6.01	
		Ghatol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.22	0.22	3.14	7.91	
		Deoria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.78	0.78	1.14	3.01	
		Harin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	1.14	3.01	
	Diamond Har-	bour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	1.14	3.01	
		Canning Town	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.01	0.01	2.33	5.31	
		Alipore Jail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	2.33	5.31	
		Barrackpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NH	NH	NH	2.33	5.31	
		Baran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.01	0.01	2.33	5.31	
	Howrah	Howrah	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1	0.14	0.14	2.33	5.31	
		Moharaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		(October 1st)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Howrah	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1	0.14	0.14	2.33	5.31	
		Howrah	0.14	0.00	0.00	0.00	0.00	0.00	0.00	1	0.14	0.14	2.33	5.31	
	Hooghly	Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Jessore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
	Burdwan	Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
		Burdwan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31	
Bankura	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bardhaman	Bardhaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bardhaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bardhaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bardhaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bardhaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
Bh. Sorey	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	2.33	5.31		
	Bh. Sorey	0.													

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of June 1887—contd.

Administrative Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1887.	Average rainfall from 15th May to date.
			Saturday, June.	Sunday, June.	Monday, June.	Tuesday, June.	Wednesday, 8th June.	Thursday, 9th June.	Friday, 10th June.	Number of rainy days.	of Rainfall week.				
NORTH BENGAL.	Northchilly	Gourmaddi	0.04	0.02	0.02	0.02	0.02	0.10	1.43	5	3.13	5.25	?	2.82	?
		Northchilly	0.04	0.02	0.02	0.02	0.02	0.02	0.02	2	0.60	0.17	0.00	13.10	14.17
		Barishpore	0.02	0.02	0.02	0.02	0.02	0.02	0.02	?	?	?	?	?	?
		Romgaj	0.04	0.02	0.02	0.02	0.02	0.02	0.02	?	?	?	?	?	?
	Farrukhpoore.	Madanpore	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
		Farrukhpoore	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
	Bacoo	Madanpore	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
		Bacoo	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
		Madanpore	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
		Madanpore	0.08	0.02	0.02	0.19	0.02	0.02	0.02	5	3.25	4.78	4.48	0.18	8.88
MIDNAPPORE.	Tipperah	Agartala	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Agartala	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Agartala	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Agartala	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
	Tipperah	Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
	Tipperah	Kamarkhand	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Kamarkhand	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Kamarkhand	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Kamarkhand	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
SOUTH BENGAL.	Mymensingh	Kishoreganj	3.18	1.28	1.28	1.28	1.28	1.28	1.28	5	5.04	11.14	8.80	14.74	11.69
		Kishoreganj	3.18	1.28	1.28	1.28	1.28	1.28	1.28	5	5.04	11.14	8.80	14.74	11.69
		Kishoreganj	3.18	1.28	1.28	1.28	1.28	1.28	1.28	5	5.04	11.14	8.80	14.74	11.69
		Kishoreganj	3.18	1.28	1.28	1.28	1.28	1.28	1.28	5	5.04	11.14	8.80	14.74	11.69
	Mymensingh	Atia (Tangail)	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Atia (Tangail)	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Atia (Tangail)	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
		Atia (Tangail)	1.75	0.18	0.18	0.18	0.18	0.18	0.18	5	1.03	4.91	4.91	8.80	8.80
	Mymensingh	Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
		Chandpur	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20
Pabna	Pabna	1.58	0.21	0.21	0.21	0.21	0.21	0.21	5	1.03	4.91	4.91	8.80	8.80	
	Pabna	1.58	0.21	0.21	0.21	0.21	0.21	0.21	5	1.03	4.91	4.91	8.80	8.80	
	Pabna	1.58	0.21	0.21	0.21	0.21	0.21	0.21	5	1.03	4.91	4.91	8.80	8.80	
	Pabna	1.58	0.21	0.21	0.21	0.21	0.21	0.21	5	1.03	4.91	4.91	8.80	8.80	
Bogra	Sherpore	0.45	0.44	0.44	0.44	0.44	0.44	0.44	5	0.60	0.14	3.13	14.09	8.16	
	Sherpore	0.45	0.44	0.44	0.44	0.44	0.44	0.44	5	0.60	0.14	3.13	14.09	8.16	
	Sherpore	0.45	0.44	0.44	0.44	0.44	0.44	0.44	5	0.60	0.14	3.13	14.09	8.16	
	Sherpore	0.45	0.44	0.44	0.44	0.44	0.44	0.44	5	0.60	0.14	3.13	14.09	8.16	
Majumdar	Benaulah	0.73	0.02	0.02	0.02	0.02	0.02	0.02	5	0.60	0.14	3.13	14.09	8.16	
	Benaulah	0.73	0.02	0.02	0.02	0.02	0.02	0.02	5	0.60	0.14	3.13	14.09	8.16	
	Benaulah	0.73	0.02	0.02	0.02	0.02	0.02	0.02	5	0.60	0.14	3.13	14.09	8.16	
	Benaulah	0.73	0.02	0.02	0.02	0.02	0.02	0.02	5	0.60	0.14	3.13	14.09	8.16	
Maldah	Maldah	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Maldah	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Maldah	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Maldah	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Dinapore	Mohadepore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Mohadepore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Mohadepore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Mohadepore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Mungpore	Shawanpore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Shawanpore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Shawanpore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Shawanpore	0.10	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Jalpaiguri	Jalpaiguri	0.17	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Jalpaiguri	0.17	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Jalpaiguri	0.17	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Jalpaiguri	0.17	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Cooch Behar.	Alipore Doo	0.04	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Alipore Doo	0.04	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Alipore Doo	0.04	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Alipore Doo	0.04	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Cooch Behar.	Debaganj	0.50	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Debaganj	0.50	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Debaganj	0.50	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Debaganj	0.50	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Cooch Behar.	Cooch Behar	0.15	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Cooch Behar	0.15	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Cooch Behar	0.15	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Cooch Behar	0.15	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Dumka	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
Dumka	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02	0.02	0.02	5	3.41	4.83	5.05	8.40	10.20	
	Madanpore	0.08	0.02	0.02	0.10	0.02</									



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 10th of June 1887—concluded.

Met-oro logical Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1887.	Average rainfall from 15th May to date.
			Saturday, 4th June.	Sunday, 5th June.	Monday, 6th June.	Tuesday, 7th June.	Wednesday, 8th June.	Thursday, 9th June.	Friday, 10th June.	Number of rainy days.	of Rainfall weeks.				
NORTH BENGAL RIVER—concluded.	Shahabad.	Gopalpur...	...	...	...	...	0.24	...	...	Nil	Nil	0.41	1.44	3.63	...
		Rowan...	...	...	...	...	0.59	...	...	1	0.25	0.39	0.98	3.77	...
SOUTH BENGAL	Shahabad.	Chuprah...	...	...	...	...	...	...	...	1	0.20	0.60	0.48	4.23	...
		Buzar...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.34	4.74	...
		Dubose...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	5.70	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	0.38	?	5.13	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	0.33	?	4.75	...
		Arran...	...	...	...	...	...	...	...	Nil	Nil	0.70	?	10.40	...
		Mohania...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	...
	Gya.	Aurungabad...	...	...	...	...	0.31	...	...	1	0.31	0.31	0.30	4.03	...
		Gya...	...	...	...	...	1.13	...	...	1	1.13	1.13	0.44	5.47	...
		Nawadab...	...	...	...	...	...	...	...	1	0.33	0.33	0.33	5.70	...
		Jahangir...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.43	?	...
		Arwal...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	7.12	...
		Handwagar...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	...
		Shyphat...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	5.08	...
		Rajshahi...	...	...	...	...	...	...	...	Nil	Nil	?	?	3.02	...
	Faisla.	Fakir Harid...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	1.45	...
		Palma...	...	...	...	...	1.08	...	...	1	1.08	1.08	0.37	11.11	...
		Dumra...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.41	12.21	...
		Bahar...	...	...	...	...	0.09	...	...	1	0.40	0.40	0.19	5.84	...
		Karr...	...	...	...	...	0.06	...	...	1	0.40	0.40	0.47	7.77	...
		Bickram...	...	...	...	...	0.00	...	...	Nil	Nil	Nil	?	10.10	...
		Hisa...	...	...	...	...	0.00	...	...	1	0.40	0.40	?	5.52	...
	Munshyr.	Baganpur...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.74	?	...
		Munshyr...	...	...	...	...	...	...	...	Nil	Nil	Nil	1.10	0.07	...
		Jam...	...	...	...	...	0.43	...	...	1	0.43	0.43	0.43	5.23	...
		Gop...	...	...	...	...	...	0.30	...	1	0.40	0.30	?	1.32	...
	South Bhag...	Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	4.91	...
		Shahabul...	...	...	...	...	0.21	...	...	1	0.41	0.22	1.10	6.03	...
		Shahabul...	...	...	...	...	...	...	...	1	0.40	0.40	1.35	7.31	...
		Kolpur...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	10.29	...
	Santal Per...	Shahabul...	...	...	...	...	...	...	...	2	0.41	0.41	1.31	20.20	...
		Shahabul...	...	...	...	...	...	...	...	2	0.43	0.35	1.14	14.74	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	2.27	18.09	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	1.55	11.55	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	1.50	10.45	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	1.33	9.32	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	?	10.03	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	4.20	...
CHUTIA RIVER.	Bazaribagh.	Shahabul...	...	...	...	...	0.34	...	...	3	0.50	0.33	1.34	3.93	...
		Shahabul...	...	...	...	...	...	...	...	2	0.40	0.40	1.34	5.72	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	1.52	5.76	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	1.65	?	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	0.33	?	7.00	...
		Shahabul...	...	...	...	...	...	...	...	1	0.43	0.38	?	3.00	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	4.32	...
		Shahabul...	...	...	...	...	...	...	...	1	0.44	0.44	?	6.09	...
	Bahadurpur.	Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	6.07	...
		Shahabul...	...	...	...	...	...	...	...	1	2.10	2.10	1.91	13.10	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.70	1.02	...
		Shahabul...	...	...	...	...	...	...	...	1	0.40	0.40	?	4.00	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	4.44	...
		Shahabul...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	4.11	...
	Munshyr.	Shahabul...	...	...	...	...	...	...	...	2	0.08	0.08	1.61	0.40	...
		Shahabul...	...	...	...	...	0.76	0.79	...	2	1.40	1.40	?	5.01	...
		Shahabul...	...	...	...	...	...	...	...	1	0.00	0.00	?	2.50	...
		Shahabul...	...	...	...	...	...	...	...	1	0.20	0.20	?	3.18	...
	Munshyr.	Shahabul...	...	...	...	...	...	...	...	2	0.08	0.73	1.25	5.73	...
		Shahabul...	...	...	...	...	...	...	...	2	1.12	1.12	1.48	5.03	...
		Shahabul...	...	...	...	...	...	...	...	2	1.15	1.15	?	4.73	...
		Shahabul...	...	...	...	...	...	...	...	2	0.07	0.07	?	2.00	...
		Shahabul...	...	...	...	...	...	...	...	2	1.34	1.34	?	4.94	...

Explanation.—In the above table, no rain has fallen, if the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall column are left blank.

Calcutta, the 14th June 1887.



**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-  
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE  
10TH OF JUNE 1887.**

At the close of the previous week a fairly strong monsoon current was blowing over Bengal. This rush of south-west monsoon winds had been brought up in the rear of the cyclone, which had broken up in Behar at the end of May. The monsoon current had brought up very heavy rainfall, and at the commencement of the week under review, fairly heavy rain-showers were general over almost the whole province. The monsoon current then began to slacken, wind velocities decreased, and wind directions became less regular, particularly in Behar, and rain became very light and local, until finally at the close of the week the greater part of the province was rainless. The diminution of the strength of the monsoon current blowing over the province towards the end of the week was much increased by the commencement of the formation of another cyclonic storm, though of much smaller and more feeble kind than the previous one. This small storm apparently commenced to form about Monday, the 8th, in the centre of the northern half of the Bay. The indications of its existence were particularly feeble till Friday, the 10th, when a well marked circulation of winds set up over the northern half of the Bay. The small storm thus formed was a feeble one, and on the 10th the centre was apparently to the west of the centre of the Bay, and in about the latitude of Gopalpore. By the indraught towards this storm, the further progress of the monsoon winds over Bengal was checked, and rainfall became very scanty. Another feature of interest in the meteorology of the province at the commencement of the week was the continuance of heavy rainfall in Assam. The heavy rainfall brought up by the cyclone apparently reached the Assam station only at the commencement of June, but at Silchar, in particular, the falls were very heavy, and thus on the three days from the 2nd to the 4th no less than 14·45 inches were received at this station.

*Pressure*—Was at the close of the previous week rather largely above the normal. In the first three days of the present week pressure fell continuously; this was then succeeded by a slow increase for a corresponding period, but on Friday, the 10th, pressure again commenced to fall. The fall has been decidedly greater than the rise, and therefore the excess pressure which obtained during the previous week has been replaced by a defect. The mean pressure for the week at the stations from which records have been received for the greatest number of years shows that it has been in defect of the normal in Bengal by 0·022 inch, while in Assam the defect has been 0·029 inch.

*Temperature*—Had in the previous week, owing to the excessive rainfall, been largely below the normal, but with the rapid cessation of rain during the present week, temperature has generally risen rather considerably, and over a large part of the province it is now nearly normal. In East Bengal, indeed, the mean temperature for the week has been 0·9° in excess of the normal, but the remainder of the province has been in defect. The defects are small, being less than 1° in Orissa, South-West Bengal, North Bengal and Chutia Nagpur, rather larger (1·8°) in Assam, and much larger (between 3° and 4°) in Behar. For the whole of Bengal and Assam the mean average temperature has been 1·3° in defect of the normal.

*Rainfall*—As has been previously stated, has been comparatively light and infrequent during the week, and it has been in decided defect over the greater part of the province. The largest falls have occurred generally in East Bengal, where, during the week, the average amount of 2·69 inches has fallen, the normal fall for the period being 3·94 inches. This district has therefore received a fall very distinctly less than the normal. North Bengal has received an average fall of 1·50 inches, while the normal fall for the week is 3·55 inches, or the actual has been less than half the normal. South-West Bengal has received an average fall of 0·80 inch, while the normal for the period is 2·06 inches, and the actual is therefore about a third of the normal quantity. In Chutia Nagpur the fall has averaged 0·81 inch, and the normal fall would be 0·97 inch, the actual is thus again less than the normal. In North Behar the fall has averaged 0·68 inch against the usual amount of 0·88 inch, and this district has therefore received a fall not very far removed from the normal, while in South Behar the actual fall has been 0·38 inch and the normal is 0·64 inch, and thus the fall is about half the normal. Orissa has received the very small fall of 0·14 inch, the normal being 1·15 inches or about eight times as much. Speaking generally, it may be said that the rainfall over Bengal has been only about one-half of the normal. In Assam the three stations from which reports are obtained have received the following amounts of rain:—Silchar the large fall of 5·22 inches, Sibangar 3·31 inches, and Dhubri 1·02 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 10th of June 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.		Mainly days.		Since 1st of month.		Since 1st of May, 1887.			
			of highest of each day.	of lowest of each day.	if mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.		
Orissa	103.4	77.7	92.3	80.5	86.5	-0.6	0.147	1.15	-1.017	1.02	2.0	-1.07	0.147	1.75	0.671	3.67
South-West Bengal	101.8	78.7	94.7	78.6	86.0	-0.6	0.20	2.04	-1.84	2.0	3.7	-0.7	1.61	2.90	6.19	5.50
East Bengal	98.3	70.5	80.4	70.8	83.1	+0.0	2.677	2.94	-1.277	3.04	3.0	-0.97	4.00	5.80	0.721	10.13
North Bengal	97.8	63.8	80.1	76.1	83.1	-0.6	1.80	2.05	-2.05	2.8	3.9	-0.4	4.91	4.73	17.08	0.83
North Bihar	96.5	69.6	81.5	77.5	84.5	-3.6	0.08	0.84	-0.80	1.2	1.1	+0.1	1.01	1.17	8.78	2.80
South Bihar	102.0	73.8	94.7	79.7	87.2	-3.2	0.13	0.64	-0.51	1.0	1.3	-0.3	0.42	0.90	8.37	1.09
Chhota Nagpur	99.0	82.4	90.7	75.6	85.2	-0.6	0.217	0.97	-0.767	2.07	2.0	0.07	0.807	1.35	7.017	2.62
Assam	94.1	70.3	87.1	74.6	80.8	-1.6										

\* Chhobassa not included.

† Reports not complete.

METEOROLOGICAL OFFICE, BENGAL:

The 14th June 1887.

A. PEDLER,

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 5th to 11th June 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRI.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.							Inches.		%	Inches.
June	5th	83.4	98.5	14.2	79.3	79.1	.089	77.3	81	0.03
"	6th	83.3	95.0	21.8	73.2	80.5	1.005	79.4	83	0.29
"	7th	85.9	97.1	18.1	79.0	82.2	1.051	80.8	85	Nil
"	8th	87.2	96.3	15.9	80.4	83.6	1.064	80.8	82	"
"	9th	85.3	96.0	17.2	78.8	80.4	.973	78.4	79	"
"	10th	85.6	94.0	14.6	79.4	80.5	.974	78.4	80	"
"	11th	83.6	92.0	12.8	79.2	78.6	.912	75.5	78	"

The mean temperature of the seven days ... 84.9

The extreme variation of temperature ... 23.9

The maximum temperature ... 97.1

The mean relative humidity ... 82%

The mean relative humidity ... 82%

The total fall of rain from 5th to 11th June 1887 ... 0.32 Inch.

The mean temperature and humidity are obtained by applying to the mean of the 10th, 11th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

The 18th June 1887.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

## MEMORANDUM.

The returns of the principal Municipalities in Bengal (excluding Howrah and Bali from which no returns were received up to date), for the week ending 28th May 1887, disclose the following particulars:—

1. That births and deaths were recorded in these Municipalities at the rates, respectively, of 14.4 and 22 per 1,000 of population as opposed to 15.9 and 24 per 1,000 in the preceding week ending 21st May, indicating a retrogression in the registration of both the events.

2. That these events were returned in the highest proportions from the following Municipalities:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Beaulah	...	62.5	Gya	...	40.3
Serampore	...	47.1	Serampore	...	35.3
Utterpara	...	37.7	Suburbs of Calcutta	...	32.1
Durbhanga	...	29.9	Beaulah	...	31.5

3. That the principal diseases specified in the table appended to this memorandum proved fatal at the rates exhibited below:—

				Ratio per mille during the weeks ending—	
				28th May 1887.	21st May 1887.
Cholera	...	...	...	2.4	5.5
Small-pox	...	...	...	.2	.4
Fever	...	...	...	8.2	7.0
Bowel-complaints	...	...	...	3.1	3.2
Injury	...	...	...	.4	.3
Other causes	...	...	...	7.7	0.7

indicating chiefly that, in comparison with the preceding week, the severity of cholera had on the whole declined considerably, but that the mortality from the diseases classed under the head of "Other causes" had increased to some extent.

4. That while bowel-complaints and injury were nowhere actively severe, and fever proved noticeably fatal only in the Beaulah town, viz., at 21 per 1,000 of population, the rest of the diseases caused the greatest loss of life in the following Municipalities:—

Cholera.		Ratio per mille.	Bowel-complaints.		Ratio per mille.	Other causes.		Ratio per mille.
Suburbs of Calcutta	...	4.8	Puri	...	10.5	Naraingunge	...	14.5
Durbhanga	...	4.7	Purneah	...	10.4	Gya	...	15.4
Patna	...	4.2				Purneah	...	13.8
Gya	...	2.7				Suburbs of Calcutta	...	13.6
						Dacca	...	13.0
						Puri	...	10.6

5. That the mortality referable to Sex, Class and Age stood as follows:—

According to Sex.		Ratio per mille.	According to Class.		Ratio per mille.	According to Age.		Ratio per mille.
Males	...	22.2	Christians	...	25.0	Under 1 year	...	232.0
Females	...	21.7	Hindus	...	21.7	1 and under 5 years	...	30.2
Ratio of male deaths to every 100 female deaths	...	114	Mahomedans	...	22.6	5 " " 10 "	...	9.7
						10 " " 15 "	...	8.2
						15 " " 20 "	...	12.6
						20 " " 30 "	...	11.9
						30 " " 40 "	...	12.6
						40 " " 50 "	...	15.2
						50 " " 60 "	...	21.7
						60 years and upwards	...	55.4

The 13th June 1887.

R. LINDBERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 28th May 1887.

		1		2		3		4		5		6		7		8		9		10		11		12	
		MORTALITY ACCORDING TO—																							
		SEX.																							
		DISEASE.																							
		RATIO PER 1,000 OF POPULATION PER ANNUM.																							
		DEATHS FROM—																							
		RATIO PER 1,000 OF POPULATION PER ANNUM.																							
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		RATIO PER 1,000 OF POPULATION PER ANNUM.																							

MORTALITY ACCORDING TO—

Age.

Class.

JURISDICTION.

NAMES OF MUNICIPALITIES.

DEATHS AMONG—

RATIO PER 1,000 OF POPULATION PRESENT.

SEXES.

RATIO PER 1,000 OF POPULATION FOR AGE.

	Christian.	Hindu.	Muslims.	Buddhists.	Others classes.	Christians.	Illahs.	Muslims.	Buddhists.	Other classes.	Under 1 year.	Under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.
Burhan	10	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Madhara	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Hazli	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Baranpore	17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Uttarpara	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Howrah																				
Bell																				
Suburbs of Calcutta	4	70	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
Kidnagar	1	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Banglat																				
Seetipore	6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Jessore																				
Rangpur Bankah	1	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Darjiling	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Dacca	18	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Chittagong	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Tipperah	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Patna	41	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Gya	20	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Shahdol	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Monikpore	8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Durban	24	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
Baran	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Blasulpore	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
Monahy	18	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Purneah	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Fut	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
Total	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

CLERK OF SANITARY COMMISSIONER FOR BENGAL.  
The 13th June 1887.

R. LIDDERDALE, M.D., Deputy Sanitary-General,  
Sanitary Commissioner for Bengal.

**PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.  
SOUTH-WESTERN CIRCLE.**

NUDDA RIVERS.

*Statement showing Quantities of Goods carried during the month of April 1887.*

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity--Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
816	1. Grain ...	1,056	8,086	9,142	4,63,852	9,142	4,63,852	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....	
157	3. Oilseeds ...	84	1,838	1,922	1,99,959	1,922	1,99,959	
222	4. Salt ...	1,472	.....	1,472	1,23,639	1,472	1,28,639	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....	
28	6. Metal ...	100	21	121	25,815	121	25,815	
27	7. Building materials ...	103	51	154	5,196	154	5,196	
496	8. Miscellaneous ...	852	1,734	2,586	4,43,278	2,586	4,43,278	
30	9. Fuel ...	125	120	245	2,113	245	2,113	
51 rafts.	10. Timber ...	1,205 c. ft.	18,497 c. ft.	19,702 c. ft.	14,205	19,702 c. ft.	14,205	
2 "	11. Bamboos ...	.....	76 "	76 "	6	76 "	6	
1,776 & 53 rafts.	12. Total ...	3,792 & 1,205 c. ft.	11,850 & 18,573 c. ft.	15,642 & 19,778 c. ft.	12,78,063	15,642 & 19,778 c. ft.	12,78,063	
1,883 & 42 rafts	13. Total of same month last year ...	.....	.....	27,955 & 3,393 c. ft.	13,10,864	27,955 & 3,393 c. ft.	13,10,864	
14. Total number of boats plying cargo No.		678	1,098	1,776	Total tollage of month— 24 + 25 + 26 ...		12,371 13 3	Rs. A. P.
14a. Ditto empty boats and steamers ...		780	169	958	Total tollage of same month last year ...		8,680 1	
15. Total number of boats plying passenger No.		535	523	1,058	Memorandum of Tollage.			
16. Total registered tonnage, cargo ...		1,70,997	3,74,599	5,45,596				
17. Total registered tonnage, passenger ...		120	94	214				
18. Ton-mileage ...		.....	.....	.....				
19. Estimated value of cargo ...		4,01,189	8,62,663	12,63,852	1. Balance not recovered on the 1st of the month ...		378 6	Rs.
20. Number of passengers ...		1,084	611	1,695	2. Tollage per month ...		12,371 13	
21. Rafts, bamboos c. ft.		.....	76	76	3. Total ...		12,750 3	
22. Do., bullahs "		1,205	18,497	19,702	4. Amount paid into treasury during the month ...		12,210 14	
23. Estimated value of rafts ...		1,845	12,386	14,211	5. Balance due at the end of the month ...		539	
24. Tollage on boats Rs.		3,957-9-6	8,279-9-9	12,237-3-3				
25. Compounded tollage on boats Rs.		.....	.....	.....				
26. Tollage on rafts "		9-15-0	124-11-0	134-10-0				
27. Total tollage on boats per ton-mile ...		.....	.....	.....				
28. Total tollage on rafts per 100 cubic feet ...		.....	.....	.....				

CALCUTTA,  
The 14th June 1887.

C. W. L. HARRISON, *Lieut.-Col., R.E.*  
*Offg. Joint-Secretary to the Government of B*

## CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 11th June 1887, compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 11TH JUNE 1887.			WEEK ENDING SATURDAY, THE 12TH JUNE 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	403	92,729	1,302	318	47,405	841
Oil ...	18	10,100	219	12	6,475	98
Teakwood ...	152	82,050	1,264	185	71,059	1,000
Other articles ...	891	2,02,095	3,107	634	1,65,900	2,304
Total ...	1,467	3,86,974	5,892	1,063	2,90,830	4,250

## EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ended 23rd April 1887, as compared with the same period of 1886.

STAPLES.		1887.		1888.		Increase.		Decrease.	
		Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
		Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING, FOR SALE.	Horses, ponies, and mules	No. 109	2,670	20	673	83	2,406		
	Cattle	45	210	79	400			84	100
	Sheep and goats	3,357	2,032	1,704	1,444	1,403	1,102		
	Other kinds								
Horses		2,126	1,808	3,828	3,200			1,702	1,592
Cattle and mules									
Cattle		122	231	183	328			1	
Cattle		7,62,886	8,42,277	8,92,770	9,31,427	1,30,910	10,500		
Chinese and Japanese ware		17,73,008	2,40,008	17,77,008	2,45,448		220	3,560	
Coal and coke, up		2,43,382	2,38,037			1,15,774	1,25,732		
Do, down									
Cotton, raw									
COTTON, MANUFACTURED.	Twist and yarn (European)	1,184	12,031	8,280	12,701			200	170
	Do, (Indian)	8,607	9,221	10,593	4,413			4,099	104
	Piece-goods (European)	1,82,176	2,00,450	2,23,241	2,57,371			40,070	21,721
	Do, (Indian)	22,749	14,403	21,300	15,323			1,011	715
Asafetida		378	157	163	763			54	
Other sorts, not intoxicating		1,069	1,291	1,806	1,199			860	044
Intoxicating drugs (other than opium, i.e., arsenic, bang, gonja, and others, &c.)		1,380	1,341	2,140	1,414			120	73
Indigo		602	591	614	673			83	
Manila or manila		74	16	91	18			15	
DYING MATS.	Sawyer	5,158	2,194	2,104	1,003	2,104	761	4,894	7,506
	Yamane	36,428	14,050	23,018	21,003				
	Other kinds	16,094	11,204	6,466	7,322	9,232	8,582		
	Earthenware and porcelain	715	980	748	1,070				
Do, raw		10,340	4,700	1,544	5,745	2,770	897	23	80
Do, manufactured (gunny bags and cloth)		12,798	42,124	1,11,867	55,835			18,500	15,711
FIBROUS PRODUCTS.	Other things, raw	123	1,083					4,039	1,023
	Do, manufactured	1,682	457	2,013	710			428	3,038
	Coronants	5,690	3,814	3,712	3,705				
	All other kinds	31,709	23,333	29,420	24,322			60	142
Waxes		8,84,008	1,72,220	9,02,874	1,40,510	81,780	23,230	30,060	18,000
GRAIN & PULSES.	Grain and pulses	2,02,707	84,554	2,26,837	48,214				
	Wheat, husked	6,50,042	1,43,840	6,60,102	59,164	85,380	45,800		
	Do, unhusked	30,065	5,203	22,313	4,263	7,750	1,400		
	Other grain and spring crops	1,63,945	27,432	1,14,265	31,772			11,220	6,710
Gums and resins		5,461	1,020	3,223	2,107			52	637
HIDES & SKINS.	Hides of cattle	46,405	30,123	54,306	34,302			8,295	4,222
	Skins of sheep, goats, and small animals	12,140	6,589	13,080	6,544			718	350
	Horns	631	226	722	461	200			223
	Lac								
LEATHER.	Lac dye	17,076	12,523	15,081	10,943	1,303	1,581		
	Do, shell	18,427	5,514			5,415	1,039		
	Do, stick and other kinds	1,100	2,336	1,100	2,210			47	
	Do, manufactured	2,443	3,635	2,679	3,721			239	86
Liquors		12,451	19,569	17,569	16,156			5,220	2,539
Mats		310	229	314	230			4	1
METALS AND MANUFACTURES.	Brass and copper	59,641	25,038	50,060	29,530			2,900	3,095
	Iron	71,757	45,224	73,314	69,800			1,257	5,640
	Other metals	8,804	8,841	8,504	8,511			1,765	1,670
	Oil	57,533	19,505	22,318	10,079	5,165	184		
Optics		20,008	25,071	20,038	14,286	5,073	10,792		
Paints and colours		1,437	1,337	1,292	1,579	140	8		
Provisions		24,707	25,434	22,842	21,001	1,876	1,033		
Railway materials		4,800	5,703	6,100	5,183			240	382
Do, ditto, Foreign		1,41,872	6,345	1,48,389	6,435			7,117	1,047
Salt		8,02,003	1,22,130	72,440	20,567	2,10,427	1,01,670		
SALT-PEPER, &c.		20,224	4,650	14,444	4,531	5,579	1,000		
SEEDS.	Oil-seeds	8,74,878	2,47,400	10,10,723	3,10,089			2,10,850	72,290
	Mustard and rape	3,38,284	1,01,160	4,08,011	1,11,400			70,330	10,310
	Oil-seeds	18,405	4,821	22,775	4,471			5,370	2,000
	Other seeds	1,10,940	37,240	1,20,526	37,320			3,690	20
Indigo seed		4,834	871	8,804	2,401			2,010	1,820
Tea seed									
Other kinds		27,803	19,055	28,018	20,645			4,160	1,500
Silk, raw		1,913	1,106	1,914	824	008	342		
Do, manufactured (European)									
Do, ditto (Indian)		203	278	338	234			10	5
Spices		10,001	11,732	30,704	10,133			4,077	4,300
Stone and marble		1,14,401	10,025	10,704	14,670	11,687	1,954		
SUGAR		2,40,071	64,088	2,04,879	82,306			13,305	17,318
Do, refined		2,40,114	10,026	2,34,477	48,128	10,330		10,102	
Tea, Indian		1,808	720			1,244			
Do, Foreign		1,018	1,005	1,018	1,000				
Tobacco		50,489	31,078	73,204	43,811				
Timber		21,191	7,084	39,406	7,407			1,915	670
Do, wood		54,607	8,300	41,210	5,301	11,801	2,607		
Do, manufactured (European)		2,406	1,879	1,215	1,027	1,141	243		
Do, manufactured (Indian)		439	1,112	431	1,132				
Wool									
Do, manufactured (European)		814	681	798	540	28	112		
Do, manufactured (Indian)									
Wool									
All other articles of merchandise		1,10,301	1,89,051	2,18,071	1,80,009			2,62,216	20,448
Government stores		10,500	24,800	17,700	35,350			2,174	10,550
Miscellaneous		80,584	14,804	1,04,317	20,597			15,438	6,833
Total		64,11,255	27,44,812	63,48,011	27,11,206	8,31,400	3,59,473	7,38,169	3,04,959



*General remarks on the fluctuation of principal staples carried over the East Indian Railway during 4 weeks ended 23rd April 1887.*

## INCREASES.

*Coal and coke.*—There was a nominal decrease in the weight carried downwards, and increase in receipts. The increase in upwards traffic is both for ordinary consumers and for railways.

*Cotton.*—This was due to the favourable state of the market reported on for March continuing during the greater part of April.

*Wheat.*—This increase is in short distance traffic.

*Rice (husked and unhusked).*—The increase in this staple is principally in upwards despatches.

*Opium.*—This increase is due to the arrangements for sale made by Government.

*Railway Materials, Foreign.*—Due to despatches for the Indian Midland Railway and the Tirhoot State Railway.

## DECREASES.

*Pisco-goods, European.*—The Calcutta market during the month was dull, and the general report was that the amount of business put through was much less than usual for the season of the year.

*Gunny.*—This decrease may be ascribed both to the prospect of short supplies of grain in the North-West, Oudh, and the Punjab, and to the outturn of the mills at Cawnpore.

*Gram and pulses.*—Due to the despatches to Howrah being much less than usual.

*Salt.*—This is due to less demand in the Calcutta market than in March, and to diversion by Foreign Railways.

*Seeds.*—The decrease was principally in linseed, and was due to limited demand in Calcutta during the month.

*Sugar and jaggery.*—This is owing to poor crops in the district served by our stations Arrah to Dumraon.

*Tobacco.*—The decrease was chiefly in the despatches from our stations in the Patna district owing to poor crops.

*Government stores.*—Due to decreased despatches to Howrah.

N. ST L. CARTER, Traffic Manager.

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 9th June 1887.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	290,230	8,78,635 2 0	23,80,000 20	6,16,617 13 0	16,730 10 0	9,13,893 8 0	68,806	112,504	176,200
Or per mile of railway ...	183 3 11			405 13 11	12 5 8	601 10 8			
For previous 21 weeks of half-year ...	5,416,780*	61,03,709 6 0	5,79,87,180 10	1,40,12,745 1 8	4,00,441 11 4	2,11,16,963 11 7	1,429,139	2,435,069	3,864,208
Total for 22 weeks ...	3,713,030	63,82,407 8 0	5,07,01,235 30	1,62,22,200 13 8	4,16,181 0 6	2,30,30,850 5 2	1,468,026	2,447,574	3,915,600
COMPARISON.									
Total for corresponding week of previous year ...	244,325	8,69,270 2 10	30,87,350 10	7,30,615 16 3	17,735 5 8	10,10,030 6 0	69,169	142,560	209,729
Per mile of railway corresponding week of previous year ...	171 2 2			483 3 3	11 12 4	671 0 7			
Total to corresponding date of previous year ...	5,393,000†	62,02,314 10 8	5,27,44,200 0	1,69,55,647 11 3	4,80,944 4 8	2,20,08,016 10 2	1,486,185	2,620,403	4,106,588

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
1,415	Rs. 10,10,820	671	1,519	Rs. 9,13,893	602	1,519	Rs. 94,50,436	6,378	1,519	Rs. 93,00,567	6,127	Rs. 1,490	3,48,869

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 67½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,217	5,452 15 0	40,205 20	2,854 4 0	42 10 0	8,260 13 0	1,668	800	2,468
Or per mile of railway ...	214	80 10 2	592 0	43 3 3	0 11 11	121 8 3			
For previous 21 weeks of half-year ...	237,870*	1,54,980 10 0*	12,63,783 10*	74,106 8 8†	1,128 10 3‡	2,20,210 16 0	35,160	18,501	54,711
Total for 22 weeks ...	310,006	1,60,588 12 0	13,04,078 00	76,920 10 2	1,173 4 8	2,38,436 11 0	36,802	20,483	57,285
COMPARISON.									
Total for corresponding week of previous year ...	12,592‡	5,400 4 7	40,802 0	2,054 0 0	81 13 0	7,532 1 7	1,668	1,000	2,668
Per mile of railway corresponding week of previous year ...	229	80 0 0	592 10	35 14 7	0 6 11	132 0 0			
Total to corresponding date of previous year ...	292,950‡	1,51,720 15 8	11,94,124 30	61,594 12 0	1,082 11 8	2,24,138 6 11	36,942	20,631	57,573

\* Deducted number of passengers 303 and Rs. 1,015 0 0

† Added Mds. 22,471-30 and

‡ Deducted

on account of differences between the approximate and audited returns to week ended 30th April 1887.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
57½	Rs. 7,532	132	57½	Rs. 5,470	110	57½	Rs. 1,00,738	1,761	57½	Rs. 60,330*	1,077	Rs. 1,490	10,800

\* Deducted Rs. 1,375 on account of difference between the approximate and audited figures to week ended 30th April 1887.

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	5,653	621 0 0	18,638 0	440 6 0	8 12 0	1,071 4 0	201 1/2	209	493 1/2
per mile of railway	471 1/3	51 12 0	1,553 1/3	36 11 4	0 13 0	89 4 4	16 7/8	17 1/2	34 3/4
for previous 21 weeks of half-year	63,907*	10,927 14 0*	4,22,018 20†	11,830 10 0†	179 13 5‡	22,947 5 6	4,912	3,021	10,436
Total for 22 weeks	69,560	11,548 14 0	4,30,657 20	12,170 9 0	188 9 11	24,018 9 6	5,114 1/2	3,230	10,957 1/2
COMPARISON.									
Total for corresponding week of previous year	3,315‡	557 14 1	22,401 0	598 10 0	16 11 8	1,173 3 4	217	270	487
per mile of railway corresponding week of previous year	276 1/3	46 7 10	1,866 2/3	49 14 2	1 6 8	97 19 3	41 1/3	50	91 2/3
Total to corresponding date of previous year	64,082‡	10,060 1 8	7,20,972 0	18,480 0 0	1,015 0 0	25,495 1 3	4,476	6,505	11,134

\* Added No. of passengers 617 and Rs. 129 0 0;  
 † Added Mds. 1,097-34 and deducted " 32 3 0;  
 ‡ Deducted " 1 15 3

on account of differences between the approximate and audited returns to week ended 30th April 1887.

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.			Rs.
1,173	98	12	1,071	89	12	13,259	1,102	12	11,207*	934	12	.....	2,052

\* Added Rs. 95 on account of difference between the approximate and audited figures to week ended 30th April 1887.

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 74 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2,306	6,682 0 0	99,308 10	4,319 14 0	127 10 0	11,988 9 0	633	1,701 1/2	1,874 1/2
per mile of railway	30 7/8	89 5 6	1,333 1/3	57 10 7	1 11 3	160 11 8	8 5/8	22 7/8	31 3/4
for previous 21 weeks of half-year	1,4,975*	24,798 0 0*	21,00,000 20†	104,413 0 0†	2,428 9 0‡	1,02,820 0 3	14,577 1/2	24,656	41,331 1/2
Total for 22 weeks	159,569	1,01,476 9 0	22,06,270 30	106,732 5 6	2,550 19 0	2,05,372 11 3	10,860 1/2	27,440 1/2	43,966 1/2
COMPARISON.									
Total for corresponding week of previous year	2,255‡	4,742 11 8	74,953 30	2,856 11 0	136 13 3	7,736 5 11	639	1,135	1,994
per mile of railway corresponding week of previous year	30 1/8	63 5 6	1,013 1/3	38 3 0	1 14 3	103 7 5	8 5/8	15 1/4	24 1/4
Total to corresponding date of previous year	134,283‡	20,413 14 16	18,03,414 0	77,233 10 0	2,356 8 8	1,77,081 12 7	24,106	34,780	68,967

Added number of passengers 506 and  
 deducted mds. 1,077-30  
 and

Rs. 276 0 0

" 3 11 0

" 31 10 0

on account of differences between the approximate and audited returns to week ended 30th April 1887.

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.			Rs.
7,728	103	74 1/2	11,133	149	74 1/2	71,174	949	74 1/2	72,455	1,108	74 1/2	11,961	.....

\* Added Rs. 298 on account of difference between the approximate and audited figures to week ended 30th April 1887.

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES ETC.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week...	32,576	Rs. A. P. 6,375 7 4	Mds. 9,765 10	Rs. A. P. 287 8 0	Rs. A. P. 0 0 0	Rs. A. P. 6,665 8 0	904	66	970
Or per mile of railway	1,426	281 11 8		13 5 11	0 0 10	285 8 8			
For previous 51 weeks of half-year...	424,677	1,16,591 11 0*	1,77,784 20†	6,122 2 0†	149 6 0‡	1,20,863 8 0	19,896	964	20,860
Total for 22 weeks...	457,253	1,19,970 3 0	1,88,569 30	6,419 10 0	158 16 0	1,26,549 11 0	20,800	1,030	21,830
COMPARISON.									
Total for corresponding week of previous year...	16,156†	4,157 9 0	5,813 19	280 8 0	7 7 0	4,428 5 0	806		
Per mile of railway corresponding week of previous year...		195 15 4		13 9 2	0 0 4	195 14 0			
Total to corresponding date of previous year...	425,097	1,20,491 8 11	2,30,288 39	6,214 6 0	165 9 11	1,26,861 0 10	23,333	2,881	26,214

\* Added number of passengers 9,905 and Rs. 1,683 0 0 }  
 † Added Mds. 407-90 and " 5 8 0 } on account of differences between the approximate and audited returns to week ended 30th April 1887.  
 ‡ Ditto " 10 7 8 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.		Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
22½	4,426	199	22½	5,896	264	22½	55,563	22½	55,900*	2,316	27

\* Added Rs. 1,681 on account of differences between the approximate and audited figures to week ended 30th April 1887.

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES ETC.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week...	8,040	Rs. A. P. 2,322 2 8	Mds. 67,255 10	Rs. A. P. 4,615 10 0	Rs. A. P. 23 10 0	Rs. A. P. 6,970 9 8	191	649	840
Or per mile of railway	191	55 5 8		209 14 4	0 19 11	164 1 5			
For previous 51 weeks of half-year...	67,000*	26,250 10 0*	10,44,264 0†	64,873 14 0†	557 4 2‡	61,437 1 3	3,006	12,409	15,415
Total for 22 weeks...	75,040	28,568 1 3	11,51,259 10	69,180 8 0	585 14 8	69,765 7 8	4,187	13,117	17,304
COMPARISON.									
Total for corresponding week of previous year...	2,668†	1,002 9 4	13,106 0	1,573 7 0	11 5 0	2,587 4 4	349	140	489
Per mile of railway corresponding week of previous year...		24 0 8		37 7 6	0 4 4	33 11 11			
Total to corresponding date of previous year...	22,061	9,902 6 9	1,60,315 0	11,363 5 3	307 9 2	11,670 3 8	3,003	12,401	15,404

\* Deducted No. of passengers 410 and Rs. 4 0 0 }  
 † Added Mds. 449-30 and deducted " 1,221 8 0 } on account of differences between the approximate and audited returns to week ended 30th April 1887.  
 ‡ Deducted " 45 2 6 }

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.		Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
42	2,677	64	42	6,976	166	42	21,573	42	21,894*	967	20,014

\* Deducted Rs. 1,901 on account of difference between the approximate and audited figures to week ended 30th April 1887.

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ending 26th May 1887, on 645 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	114,825	63,330 0 0	(a) 7,51,521 0	(a) 70,580 0 0	29,130 0 0	1,55,340 0 0	19,860	(a) 20,458	40,345
Or per mile of railway	177	88 0 0	1,170 0	1,100 0 0	45 0 0	2,408 0 0	30 8	31 6	62 4
For previous 52 weeks of half-year	2,719,368	12,77,857 0 0	1,05,61,314 0	10,55,760 0 0	2,34,518 0 0	30,67,841 0 0*	595,132	585,975	781,007
Total for 52 weeks	2,834,217	13,31,087 0 0	1,13,16,835 0	10,15,140 0 0	2,74,536 0 0	32,21,181 0 0	614,992	606,363	821,355
COMPARISON.									
Total for corresponding week of previous year	199,170	52,108 0 0	(a) 7,44,517 0	(a) 70,118 0 0	20,014 0 0	1,49,598 0 0	17,160	(a) 18,717	35,877
Per mile of railway corresponding period of previous year	198	97 0 0	1,219 0	110 0 0	31 0 0	2,313 0 0	30 8	31 6	62 4
Total to corresponding date of previous year	2,714,000	12,55,467 0 0	1,27,27,040 0	10,30,628 0 0	2,30,499 0 0	31,43,614 0 0	595,918	581,894	817,117

\* Audited up to 31st March 1887.

(a) Includes ballast trains.

NOTE.—Dacca and Assam-Bihar sections are also published separately.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 26TH MAY 1886.			RECEIPTS FOR WEEK ENDING 26TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 26TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 26TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
606	1,40,298	246	648	1,53,840	238	606	11,74,767	242	645	11,40,483	211	.....	34,279

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D. AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ending 4th June 1887, on 645 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	165,820*	70,080 0 0	5,77,030 0	53,100 0 0	10,820 0 0	1,34,370 0 0	19,843	15,475	35,318
Or per mile of railway	257	110 0 0	885 0	820 0 0	16 0 0	2,083 0 0	30 8	23 9	54 7
For previous 52 weeks of half-year	2,833,617	13,31,087 0 0	1,13,16,835 0	10,15,140 0 0	2,74,536 0 0	32,21,181 0 0*	614,992	606,363	821,355
Total for 52 weeks	2,990,447	14,02,337 0 0	1,16,93,453 0	10,68,216 0 0	2,84,968 0 0	33,55,551 0 0	634,835	621,838	856,673
COMPARISON.									
Total for corresponding week of previous year	116,320	50,048 0 0	3,54,105 0	37,350 0 0	11,304 0 0	1,24,076 0 0	17,819	15,910	33,729
Per mile of railway corresponding period of previous year	198	93 0 0	549 0	94 0 0	17 0 0	1,966 0 0	30 8	25 0	55 8
Total to corresponding date of previous year	2,531,080	12,89,070 0 0	1,31,11,454 0	10,67,917 0 0	2,81,703 0 0	31,67,800 0 0	595,918	581,894	817,117

\* Increase due to Dacca bazaar festival.

† Audited up to 31st March 1887.

NOTE.—Dacca and Assam-Bihar sections are also published separately.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 4TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
606	1,24,074	208	645	1,24,270	208	606	12,33,842	236	645	12,74,808	198	.....	78,965

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	45,000*	Rs. A. P. 18,000 0 0	Mds. 45,000 0	Rs. A. P. 5,000 0 0	Rs. A. P. 40 0 0	Rs. A. P. 21,040 0 0	3,986	1,444	5,430
Or per mile of railway	360	144 0 0	360 0	40 0 0		168 0 0			
For previous 51 weeks of half-year	526,471	1,78,882 0 0	5,56,434 0	55,382 0 0	1,041 0 0	2,35,165 0 0†	50,140	20,343	1,19,483
Total for 51 weeks	526,471	1,78,882 0 0	5,56,434 0	55,382 0 0	1,041 0 0	2,35,165 0 0	50,140	20,343	1,19,483
COMPARISON.									
Total for corresponding week of previous year	34,948	8,994 0 0	19,889 0	1,424 0 0	25 0 0	10,417 0 0	4,190	1,000	5,190
Per mile of railway, corresponding period of previous year	190	21 0 0	150 0	12 0 0		84 0 0			
Total to corresponding date of previous year	549,859	1,80,148 0 0	5,81,240 0	48,431 0 0	654 0 0	2,38,220 0 0	50,311	20,937	1,19,248

\* Increase due to Hazokara bathing festival.  
† Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	10,417	83	125	21,040	168	125	1,00,677	80	125	2,18,304	101	12,417	

## DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 26th May 1887, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	11,273	Rs. A. P. 5,440 0 0	Mds. 5,440 0	Rs. A. P. 500 0 0	Rs. A. P. 80 0 0	Rs. A. P. 4,800 0 0	2,161	808	2,969
Or per mile of railway	131	48 0 0	48 0	5 0 0		48 0 0			
For previous 50 weeks of half-year	289,470	87,341 0 0	2,29,251 0	20,794 0 0	8,106 0 0	1,17,241 0 0†	44,343	23,080	67,423
Total for 51 weeks	270,743	90,941 0 0	2,32,961 0	27,294 0 0	8,106 0 0	1,21,441 0 0	44,563	23,443	68,006
COMPARISON.									
Total for corresponding week of previous year	9,579	3,145 0 0	3,929 0	405 0 0	57 0 0	3,066 0 0	980	397	1,377
Per mile of railway, corresponding period of previous year	111	37 0 0	25 0	5 0 0		48 0 0			
Total to corresponding date of previous year	309,338	58,981 0 0	2,31,031 0	20,354 0 0	4,933 0 0	21,008 0 0	17,704	23,439	51,143

\* Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 25TH MAY 1886.			RECEIPTS FOR WEEK ENDING 26TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 25TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 26TH MAY 1887.			Total increase in 1887.	Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	3,066	40	86	4,208	49	86	56,366	65	86	57,905	66	1,408	

## DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 4th June 1887, on 80 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week...	15,000	Rs. A. P. 4,000 0 0	Mds. c. 8,500 0	Rs. A. P. 400 0 0	Rs. A. P. 50 0 0	Rs. A. P. 4,550 0 0	1,808	590	2,402
Or per mile of railway...	180	48 0 0	106 0	5 0 0	.....	56 8 0	.....	.....	.....
For previous 21 weeks of half-year...	270,745	89,081 0 0	5,32,851 0	27,294 0 0	8,108 0 0	1,31,441 0 0	48,503	25,457	60,060
Total for 22 weeks...	285,745	93,081 0 0	5,39,351 0	27,774 0 0	8,210 0 0	1,32,071 0 0	48,506	24,063	72,569
COMPARISON.									
Total for corresponding week of previous year...	2,015	8,101 0 0	4,082 0	440 0 0	71 0 0	9,705 0 0	933	397	1,330
Per mile of railway corresponding period of previous year...	110	37 0 0	48 0	5 0 0	.....	42 0 0	.....	.....	.....
Total to corresponding date of previous year...	212,245	61,575 0 0	3,25,135 0	25,794 0 0	6,004 0 0	65,378 0 0	19,637	33,836	52,473

\* Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Train mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
60	2,704	41	60	4,530	53	20	40,071	52	65	42,435	65	2,364	.....

## ASSAM-BEHAR STATE RAILWAY.

PURNIAH SECTION.

Approximate Return of Traffic for week ended 28th May 1887, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week...	2,507	Rs. A. P. 980 0 0	Mds. c. 25,280 0	Rs. A. P. 2,010 0 0	Rs. A. P. 20 0 0	Rs. A. P. 3,490 0 0	470	608	1,072
Or per mile of railway...	64	25 0 0	644 0	51 0 0	.....	89 0 0	.....	.....	.....
For previous 7 weeks of half-year...	18,752	6,351 0 0	1,75,332 0	17,395 0 0	100 0 0	23,642 0 0	3,424	4,430	7,854
Total for 8 weeks...	21,259	7,331 0 0	2,01,521 0	20,395 0 0	120 0 0	27,335 0 0	3,894	5,038	8,932
COMPARISON.									
Total for corresponding week of previous year...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Per mile of railway corresponding period of previous year...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total to corresponding date of previous year...	.....	.....	.....	.....	.....	.....	.....	.....	.....

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 28TH MAY 1886.			RECEIPTS FOR WEEK ENDING 26TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 28TH MAY 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 26TH MAY 1887.			Total increase in 1887.	Total decrease in 1887.
Train mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
30	2,490	83	30	.....	.....	39	27,335	65	27,334	.....	.....	.....	.....

## ASSAM-BEHAR STATE RAILWAY.

## PUENAH SECTION.

Approximate Return of Traffic for week ended 4th June 1887, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TON-MILES ETC.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,530	950 0 0	15,370 0	1,270 0 0	10 0 0	2,240 0 0	470	608	1,078
Or per mile of railway...	65	24 0 0	392 0	32 0 0		57 0 0			
For previous 8 weeks of half-year...	21,240	7,213 0 0	2,01,521 0	20,000 0 0	120 0 0	27,350 0 0	3,804	5,088	8,892
Total for 8 weeks...	23,770	8,163 0 0	2,16,891 0	21,270 0 0	140 0 0	28,670 0 0	4,274	5,696	9,970
COMPARISON.									
Total for corresponding week of previous year...	22,000	7,500 0 0	2,00,000 0	20,000 0 0	100 0 0	27,500 0 0	4,000	5,000	9,000
Per mile of railway corresponding period of previous year...	565	19 0 0	326 0	25 0 0		68 0 0			
Total to corresponding date of previous year...	21,000	7,000 0 0	1,90,000 0	19,000 0 0	100 0 0	26,000 0 0	3,800	4,800	8,600

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 5TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.					Rs.	Rs.	Rs.	
	...	...	39	2,210	57	...	...	...	39	29,570	84	29,570	...

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 4th June 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TON-MILES ETC.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 249 miles open...	25,314	14,251 0 10	1,61,240 0	15,077 13 0	8,514 14 0	32,590 1 10	6,048	6,947	12,995
Or per mile of railway...	101	57 6 0	648 0	60 9 0	34 0	130 11 0			
For previous 21 weeks of half-year...	610,296	3,10,370 0 2	33,18,574 0	3,40,230 3 0	60,073 2 0	7,20,384 14 2	112,107	1,26,314	2,38,421
Total for 22 weeks...	635,610	3,24,621 0 0	34,79,814 0	3,55,307 0 0	70,486 0 0	7,50,411 0 0	118,155	1,33,261	2,51,416
COMPARISON.									
Total for corresponding week of previous year on 249 miles open...	20,200	13,500 13 0	1,00,074 0	15,945 8 0	3,011 0 11	33,123 13 11	5,920	5,407	11,327
Or per mile of railway corresponding week of previous year...	81	53 2 0	402 0	64 13 0	12 0	133 0 0			
Total to corresponding date of previous year...	776,122	2,79,075 6 4	28,88,580 20	3,03,073 4 5	67,001 8 7	3,80,078 2 4	108,637	1,11,193	2,19,830

\* Steam-boat earnings included in calculating "Total earnings per mile of railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 5TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.					Rs.	Rs.	Rs.	
...	...	...	249	52,640	122	...	1,06,910	1,236	249	3,40,300	1,361	37,430	...



## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 4th June 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,892	1,433 0 0	9,309 0	694 0 0	21 0 0	2,157 0 0	569	254	763
Or per mile of railway ...	140	52 0 0	343 0	25 10 0	0 15 0	79 2 0			
For previous 21 weeks of half-year ...	62,345	23,521 0 0	9,03,300 0	16,441 0 0	620 0 0	39,180 0 0	10,781	7,166	17,937
Total for 21 weeks ...	66,137	24,954 0 0	9,14,702 0	17,137 0 0	641 0 0	41,347 0 0	11,370	7,420	18,790
COMPARISON.									
Total for corresponding week of previous year ...	2,200	854 14 3	4,630 10	265 2 0	0 2 0	1,234 7 3	502	254	756
Or per mile of railway corresponding week of previous year ...	81	31 12 0	170 0	13 0 0	0 0 0	45 7 0			
Total to corresponding date of previous year ...	56,630	22,000 13 3	1,77,972 29	15,453 4 6	560 4 0	30,470 10 2	11,313	6,879	17,222

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 3RD JUNE 1887.			RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 3RD JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
27½	1,234	45	27½	2,157	79	27½	10,124	362	27½	17,786	646	1,602	



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 22, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### PILGRIMAGE TO MECCA.

POLITICAL—No. 2036P.

Calcutta, the 17th June 1887.

From—H. A. D. PHILLIPS, Esq., Under-Secretary to the Government of Bengal,  
To—MESSRS. THOMAS COOK and SON, 11, Old Court House Street, Calcutta.

I AM directed to acknowledge the receipt of your letter No. <sup>(1)</sup> <sub>A</sub> <sup>13</sup> <sub>353</sub>, dated the 2nd instant, and in reply to say that the Lieutenant-Governor approves of the following additions to paragraphs 22 and 23 of your prospectus\* approved by the Government of India, in the Home Department, in their Resolution No. 2—102-14, dated the 3rd ultimo, regarding the arrangements for the conveyance of pilgrims to Jeddah and back:—

Messrs. Thomas Cook and Son have also arranged for pilgrims to travel from Calcutta to Jeddah by steamer weekly, starting on or about every Sunday, transshipping at Bombay into the special steamers aforementioned in the Notice at the following rates, including landing and embarkation charges at Jeddah—

	Re. A. P.
Single journey, deck-passage ... ..	50 8 0
Return journey ditto ... ..	86 0 0

Messrs. Cook and Son have also arranged for through tickets to be issued from Chittagong to Jeddah by the B. I. S. N. Company's weekly

\* Published at pages 551-52 of the Supplement to the Calcutta Gazette of the 15th May 1887.

mail steamer leaving Chittagong from the 1st June to the 14th July, inclusive, changing steamers at Calcutta and Bombay at the rates mentioned below:—

			Rs.	A.	P.
Single journey, deck-passage	...	...	56	8	0
Return journey, ditto	...	...	98	0	0

The cost of through tickets by railway from Calcutta to Bombay, and thence by the special steamers to Jeddah, inclusive of landing and embarkation charges at Jeddah, is as follows:—

				Rs.	A.	P.
First class	...	...	...	172	8	0
Second "	...	...	...	96	8	0
Third "	...	...	...	50	5	0

The charge for return tickets to enable pilgrims to return either this or next year is—

				Rs.	A.	P.
First class	...	...	...	278	4	0
Second "	...	...	...	154	10	0
Third "	...	...	...	85	10	0

#### Circular No. 22P.

Copy forwarded to all Commissioners of Divisions, in continuation of the circular from this office, No. 21P, dated the 1st instant, for communication to District and Sub-divisional Officers for information and guidance. Messrs. Thomas Cook and Son have appointed Mr. A. Akin-Higgins as their Agent in Calcutta, from whom tickets can be obtained either by the Collectors of districts or by the intending pilgrims themselves.

## ANGLO-ARABIC SCHOOL AT PATNA.

## GENERAL DEPARTMENT—EDUCATION.

*Calcutta, the 18th June 1887.*

## RESOLUTION.

READ the undermentioned correspondence regarding the Anglo-Arabic School at Patna—

A petition of the members of the Muhammadan Education Committee of Patna received in January 1886.

Letter to the Commissioner of the Patna Division, No. 25, dated 15th January 1886.

Letter from the Commissioner of the Patna Division, No. 175G, dated 27th March 1886.

Letter to the Commissioner of the Patna Division, No. 348, dated 10th April 1886.

Letter from the Commissioner of the Patna Division, No. 366G, dated 7th June 1886, and enclosures.

Letter to the Director of Public Instruction, No. 500T—G, dated 22nd June 1886.

Letter from the Director of Public Instruction, No. 5372, dated 9th August 1886, and enclosures.

Letter from the Commissioner of the Patna Division, No. 629G, dated 28th September 1886, and enclosure.

Letter to the Director of Public Instruction, No. 1043, dated 21st October 1886.

Letter from the Director of Public Instruction, No. 1442, dated 24th February 1887, and enclosures.

Letter from the Commissioner of the Patna Division, No. 90G, dated 26th February 1887, and enclosures.

Letter to the Director of Public Instruction, No. 190, dated 16th March 1887.

Letter from the Director of Public Instruction, No. 2928, dated 23rd March 1887.

Letter from the Director of Public Instruction, No. 3233, dated 9th May 1887.

In the memorial, dated January 1886, referred to in the preamble, the members of the Muhammadan Education Committee of Patna, having expressed their conviction that the absence of any provision for religious education is the main cause which has hitherto prevented Muhammadans from sending their children to Government institutions for education, informed the Lieutenant-Governor that they had established a school at Patna on the model of the Aligarh Collegiate School, where arrangements had been made, not only for the secular instruction of the members of all creeds, but also for the religious education of Sunnis and Shias. In the Patna Anglo-Arabic School, it was added, special provision had been introduced for imparting to Muhammadis (Wahabis) religious teaching based upon their own principles. The school was opened in March 1884, and on the date of the petition it had 200 students, of whom 97 were Sunnis, 29 Shias, 26 Muhammadis, and 47 Hindus. The memorialists asked Government to assist them by acquiring a site for school buildings, by making a grant of the interest of the Behar Industrial School Fund, by making a money grant from the Wahabi Fund, and by a grant-in-aid from public funds.

2. It has been ascertained that the Municipal Commissioners of Patna have subscribed Rs. 66 a month, recently increased to Rs. 100 per month, towards the support of the School, and that an income of Rs. 808 per month is realised from fees and subscriptions. The institution appears to be properly conducted, on the plan laid down by the founders. The Lieutenant-Governor, considering these circumstances, and desiring to take every promising opportunity to promote education among Muhammadans, is pleased to sanction a grant-in-aid of Rs. 100 a month, with effect from the 1st July 1886, and also a donation of Rs. 15,000 from the Wahabi Fund, formed from the proceeds of forfeited estates. The latter sum will be invested in Government securities in the name of the Controller-General, the interest being paid for the benefit of the School, as long as it is properly conducted, and the principal will be made over to the managers as soon as the institution shall have given sufficient proof of permanent stability. With regard to the acquisition of a new site, the local officers will give every assistance in the selection, and Government will contribute an additional sum of Rs. 5,000 from the Wahabi Fund towards paying the cost of acquisition. Sir Stuart Bayley considers that there is an

objection to the assignment to what is, to some extent, a denominational institution of money raised from the public generally for the Behar Industrial School.

3. The Lieutenant-Governor notices with pleasure the interest taken by Nawab Syed Wilayat Ali Khan, C.I.E., Moulvi Syed Ahmed Hossein, Moulvi Mahomed Hosseip, Moulvi Khoda Baksh, Khan Bahadur, and many other Muhammadan gentlemen in the foundation of this Anglo-Arabic School, and hopes that others may be found willing to follow the excellent example set by the residents of Patna.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Director of Public Instruction, and the Commissioner of the Patna Division, for information, and to the Financial Department of this Office for information and communication to the Accountant-General.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Government of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 18th June 1887.

No.	District and date of return.	Rainfall at Sadler station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BARDWAN DIV.	1 Barwan. June 18, '87	0.84	Weather—hot and cloudy at intervals. Prospects of crops good. Sugarcane doing well. Price of rice 22 to 28 seers per rupee. Public health good, but a few cases of fever in the Sadler sub-division.
	Culna	0.35	
	Cuttack	2.31	
	Kanungunge	1.17	
	2 Bankura „ 18, '87	1.90	Weather—unsettled and cloudy. Seedlings doing well. Fields are being prepared. Standing crops good. Prices unchanged. Public health good.
BARDWAN DIV.	3 Boorhanpur „ 18, '87	1.36	Weather—very unsettled; hot, with frequent storm of rain and mist. Transplanting of paddy has commenced. 75% will soon be reaped; outturn not expected to reach 8 annas of an average crop owing to damage done by late showers. Public health excellent.
	Rampore Hatt	0.76	
	4 Midnapore „ 18, '87	1.45	Weather—sultry. State and prospects of crops excellent.
	5 Hooghly „ 18, '87	3.52	Weather—unsettled and stormy. Crops and public health good.
	Serampore	1.45	
BARDWAN DIV.	Jehanabad	0.88	
	Howrah	...	Report not received.
<i>Central Districts.</i>			
PRESTON DIV.	6 Et-Pargah. June 21, '87	2.33	Weather—hot with occasional rain. <i>Amra</i> sowing still continues. Prospects promising. Public health generally good.
	7 Nuddea „ 18, '87	3.16	Weather—sultry with showers. Prospects of crops fair.
	Kushtia	3.17	
	Mohorpur	1.33	
	Chandabga	2.60	
PRESTON DIV.	8 Khosha „ 18, '87	1.39	Weather—hot and cloudy with occasional rain. Ploughing continues. Prospects favourable. Public health good.
	9 Jamsore „ 18, '87	3.01	Weather—hot, with occasional showers. Paddy plants thriving. Prospects good. In Narmada rivers are rising unusually high, and slight injuries have been done to the crops in the lowest part of the blocks. Public health good.
	Jhenidah	1.06	
	Mazraha	1.08	
	Narail	1.51	
RAJSHAHIE DIV.	10 Moorshedabad „ 18, '87	2.02	Weather—very hot, cloudy at intervals. <i>Amra</i> being sown. Jute and sugarcane promising. Public health good.
	Lalbagh	2.78	
	Kandi	2.82	
	Jungipur	3.53	
	11 Dinapore „ 18, '87	6.82	Weather—cloudy, with some heavy showers and steady light rain. Prospects of <i>khaddai</i> fair. Jute damaged by rain and not expected to yield more than 10 annas. Rice 23 seers per rupee.
RAJSHAHIE DIV.	12 Rajshahi „ 18, '87	2.12	Weather—hot and cloudy. Floods subsiding. Paddy and jute where not injured by floods thriving. In parts fresh sowings taking place. Price of rice in Nongong risen from 25 to 30 seers per rupee. Public health generally good.
	Natore	1.73	
	Nongong	2.46	
	13 Rangpur „ 18, '87	13.97	Crops generally doing very well, except where floods have injured them. Health of the district improving.
	Gallanda	4.70	
RAJSHAHIE DIV.	14 Bogra „ 18, '87	3.14	Rain on every day except 13th at the Sadler station; very little sun during the week; weather at times very close and sultry. Ploughing going on and sowing of <i>amra</i> crop has commenced. Heavy rain has done considerable damage to crops. Public health fair. A few cases of cattle-disease still reported from Khosha thanah.
	Sherpur	1.14	
	Nowkhilla	1.19	
	15 Patna „ 18, '87	0.99	Weather—sultry. Prospects of crops good. General health good.
	Serajung	0.39	
RAJSHAHIE DIV.	16 Darjeling „ 18, '87	7.03	Rains have evidently commenced. State and prospects of crops fair.
	17 Jalpigore „ 18, '87	12.16	Heavy rain throughout the week, generally clearing in the afternoon and coming on at night. Too much rain has favoured the growth of weeds. Jute has suffered, though in some places it is favourably reported on. Sugarcane doing well. On the whole prospects of all crops are good. Cholera abating fast, but still present in places.
<i>Eastern Districts.</i>			
Dacca Division.	18 Dacca. June 18, '87	3.05	Weather—hot and cloudy. Cultivation of <i>shali</i> and <i>ara</i> paddy going on. Damage to paddy crops in parts of the district is anticipated owing to rapid rise of rivers. Public health good.
	Manikgunge	0.73	
	Manikgunge	1.40	
	Namimgunge	2.83	
	19 Ferozganj „ 18, '87	3.19	Weather—hot and cloudy. Prospects of paddy, jute and other crops very good. Public health fair.
Dacca Division.	Goolgubi	1.45	
	Madaripore	1.62	
	20 Backergunge „ 17, '87	1.59	Weather—hot and rainy with occasional high winds. Cultivation of <i>amra</i> going on. <i>Amra</i> partially damaged by flood. General health good.
	21 Mymensingh June 17, '87	3.65	Rain with strong winds. Rivers falling. Prospects of crops good.
	Jamshaidpur	1.39	
	Kishoreganj	3.52	
	Netrokona	3.45	

No.	District and date of report.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—contd.</b>			
<b>Eastern Districts.—contd.</b>			
CHITTAGONG DIV.	22 Chittagong, June 21, '87	5.80	Weather reasonable. Transplantation goes on. Extraordinary high tide at the end of May damaged some coast lands in Cox's Bazar. Prices stationary. Cholera still reported; public health otherwise good.
	23 Noakhali Ferry, " 17 "	2.05 3.63	Weather—reasonable. Prospects of crops fair. Public health much improved.
	24 Tipperah, " 16, '87	2.66	Weather—most reasonable, rain falling almost every day. Prospects in every respect good. Very little sickness.
	25 Chittagong Hill Tracts, " 14, '87	5.41	Weather—cloudy, with occasional sunshine throughout the week. Sowing in <i>joons</i> nearly completed. Lands are being ploughed for late rice. General health good.
	All Tipperah, " 15 "	0.77	Weather—cloudy and rainy. Prospects of <i>aus</i> paddy good. Sugarcane doing well. <i>Joom</i> cultivation nearly over. Public health good.
<b>BEHAR.</b>			
PAUNA DIV.	26 Patna, June 18, '87	2.10	Weather—hot with occasional showers. <i>Bhadai</i> sowings going on. Preparations are being made for paddy sowings. Sugarcane promising. Cholera still prevailing in the Barh and Behar sub-divisions; otherwise public health good.
	27 Gaya, " 18 "	1.86	Weather—hot. <i>Bhadai</i> being sown. Cholera, fever and small-pox reported from all the sub-divisions.
	28 Sheikhpura, " 18 "	2.45 2.38 2.25	Weather—cloudy and fair alternately. <i>Bhadai</i> sowing in progress. Fields being prepared for paddy. Sporadic cases of cholera in the interior of the district; public health otherwise fair. Prices stationary.
	29 Purnea, " 18 "	4.11	Weather—occasionally cloudy. Prospects of early rice continue satisfactory. <i>Bhadai</i> sowings in progress. Indigo looks very promising. Prices rising slightly. Cholera reported from the Madhubani and Tujpur sub-divisions.
	30 Munger, " 18, '87	5.78 1.53	Weather—variable, being rainy and hot alternately. Sowings of <i>Bhadai</i> are vigorously in progress. Standing crops are in good condition, and prospects are excellent. Cholera cases have decreased, but not completely disappeared; public health otherwise good.
BAGHUR DIV.	31 Saran, " 18 "	1.54 0.31 0.56	Weather—bump and sultry. Agricultural operations in full swing. Cholera still reported.
	32 Ayodhya, " 18 "	1.77 1.25	Weather—very hot, often cloudy. Rainfall of the week has benefited the standing crops, and pushed the progress of <i>Bhadai</i> sowings. Prices stationary. Cholera prevails in all parts of the district, but is abating.
	33 Muzaffargarh, June 18, '87	1.63 0.70 1.51	Weather—very hot and close, with occasional clouds and rain. Prospects of crops continue good. Sowings of <i>Bhadai</i> and winter rice in progress. Cholera still prevails in the district, but somewhat abated in places.
	34 Banka, " 18 "	2.68 1.32 4.79 2.64	Rains have not in now. Sowing in full swing and transplanting begun. <i>Moong</i> crop in the north poor, and <i>moong</i> crop everywhere an utter failure. Indigo prospects going off a little. Cholera fast abating.
	35 Patna, " 18 "	4.24 4.56 3.60	Weather—cloudy, with heavy showers; latterly bright. With exception of indigo and to some extent jute, no crop appears to have suffered from the heavy rain.
MADHUR DIV.	36 Madhura, " 18, '87	2.74 0.58 3.57	Weather—hot and sultry; fine and cloudy alternately with occasional showers. <i>Boro</i> harvest is now over in most places; cotton good. <i>Bhadai</i> crops are thriving, and are being weeded. Winter paddy is being sown. Price of common rice 22 seers per rupee. Public health good.
	37 South Patna, " 18 "	1.23 1.87 0.47 1.29 1.48 2.08	Weather—south and east winds, cloudy with occasional showers. Rice sowing and ploughing for Indian-corn is proceeding. Sugarcane good. Public health fair.
ORISSA.	38 Orissa, June 17, '87	1.99	Weather—still unsettled; cloudy with showers of rain occasionally. Rice plants are growing well. Sowing of rice still going on in many places. Common rice sells at 18½ seers per rupee in town. Public health generally good. Cholera and cattle-disease reported from some parts of the Kendrapada sub-division.
	39 Khorda, " 16 "	1.10 2.0	Weather—stormy. Sowing of <i>sarad</i> crop is still going on. Common rice 24 seers per rupee in the Sudder sub-division and 22 seers 11 chittacks in the Khorda sub-division. A few cases of cholera reported from the town.
	40 Bhubaneswar, " 17 "	2.16	Weather—hot and cloudy with occasional showers. Ploughing and sowing of rice going on vigorously; plants coming up in places. Miscellaneous crops doing well. Public health generally good.

No.	District and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>CHOTA NAGPUR</b>			
<i>South-West Frontier Agency.</i>			
41	Basarinagar, June 17, '87	0.80	Weather—very unsettled. Monsoon seems to have burst. Sowings of all rainy season crops in progress. Sugarcane doing well. General health good.
42	Leharidugga Palanow „ 18 „	1.74 0.10	Weather—seasonable. Rain throughout the district. Ploughing and sowing going on. No change in prices. Cholera and small-pox reported from Palanow; otherwise public health good.
43	Singbhoam „ 17 „	0.75	Showers with thunder-storms during week; no heavy rain; temperature lower. Prospects good. Agricultural operations in full swing. Public health good.
44	Manbhoom Govindpur „ 18 „	1.12 0.60	Weather—cloudy with occasional showers. Paddy being sown, sugarcane and indigo growing well. Prospects good. Public health on the whole good. Sporadic cholera in pergunnah Patkum.

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 21st June 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.



## PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN											
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.	S. Ch. S. Ch.
1	Burdwan	14 0	14 0	16 0	40 0	40 0	...	18 12	19 8	18 0	23 4	24 0	18 12
2	Bankura	15 12	16 12	18 8	20 0	20 0	23 8	19 0	19 0	19 8	23 12	24 12	22 8
3	Baerbhoom	18 12	18 12	20 0	...	...	...	18 0	18 0	15 0	24 0	24 0	18 0
4	Midnapore	16 0	17 6	18 0	...	...	...	19 0	20 0	18 0	24 0	25 0	20 0
5	Hoochly	14 0	15 0	18 0	...	...	...	10 0	10 0	10 0	18 0	18 0	14 0
6	Howrah	12 8	12 0	10 0	...	...	...	13 4	13 4	8 0	20 0	21 0	16 0
Central Districts.													
7	Calcutta	15 0	15 0	16 0	20 15	20 15	22 0	9 6	9 6	9 8	18 2	19 2	15 4
8	24-Pergunnahs	14 0	14 0	13 4	36 8	36 8	20 0	8 0	8 0	8 0	18 4	18 4	13 4
9	Nudda	16 0	16 0	16 0	32 0	32 0	33 0	16 0	16 0	13 6	19 8	20 8	18 0
10	Khoolna	...	...	...	...	...	...	9 0	18 0	14 0	22 0	23 0	17 0
11	Jessore	16 0	16 0	13 4	...	...	...	10 0	17 0	13 8	22 0	22 0	17 0
12	Moorebhahad	16 0	16 0	20 0	...	...	...	10 0	18 0	13 4	21 0	21 0	17 0
13	Durgapora	12 0	13 12	16 0	20 0	22 0	17 8	20 0	20 0	16 8	21 4	23 0	21 0
14	Raisachya	16 8	18 0	19 0	45 0	45 0	31 12	17 4	18 0	16 0	18 12	19 8	18 0
15	Bungpore	20 0	20 8	22 8	...	...	...	17 0	22 8	18 4	20 0	24 10	20 8
16	Bura	16 0	16 8	15 0	...	...	...	13 8	13 8	12 12	21 0	21 0	21 12
17	Pahra	20 0	20 0	21 12	...	...	...	8 0	8 0	8 0	22 8	21 0	18 0
18	Darjeeling	10 0	9 0	11 0	10 0	10 0	0 0	5 0	5 0	5 0	12 0	14 0	13 0
19	Jalpigurda	11 0	11 0	13 4	20 0	20 0	20 0	13 0	13 0	18 0	22 0	22 0	22 0
Eastern Districts.													
20	Dacca	14 0	14 0	15 0	22 0	22 0	16 0	17 0	17 0	13 0	19 0	19 0	16 0
21	Farrukpore	20 0	20 0	24 0	30 0	32 0	25 0	18 0	18 0	16 0	20 0	20 0	17 0
22	Backergunge	...	...	...	...	...	...	17 0	17 0	13 8	20 0	21 0	16 0
23	Mymaningh	13 4	11 0	13 0	...	...	...	14 6	12 0	13 8	16 13	16 4	20 0

A In sub-divisions retail prices of salt per rupee were:—Calcutta 12 seers, Cutwa 13 seers, and Manerungga 13½ seers.

B In Bishnupore sub-division retail price of salt 12 seers per rupee.

C In Rampore sub-division retail price of salt 13 seers per rupee.

D In Jhannabad sub-division retail price of salt 13½ seers per rupee.

E In sub-divisions retail prices of salt per rupee were:—Tunduck 11 seers, Ghatal 14 seers, and Contai 23½ seers.

F In sub-divisions retail prices of salt per rupee were:—Barakat 22 seers, Manerhat 13 seers, Diamond Harbour (at Magrahat) 10½ seers, Baruckpore 12½ seers, and Dum-Dura 11 seers.

G In sub-divisions retail prices of salt per rupee were:—Koochita and Meherpore 13 seers, Choodanga 11½ seers, and Manerhat 10½ seers.

H In Bakhira and Bagirhat sub-divisions retail price of salt 11 seers per rupee.

I In sub-divisions retail prices of salt per rupee were:—Jhenida and Suran 12 seers, Mazoora 10½ seers, and Hongong 13 seers.

J In sub-divisions retail prices of salt per rupee were:—Lalanga 12 seers, Katcha and Jangipore 12½ seers.

HAIRA OR CUMBU. <i>Peromyscus typus</i> <i>idoneus.</i>	MAHUA OR RAOL. <i>Rattus Corocanus.</i>
---	--

Present return.	
Next preceding return.	
Corresponding return of last year.	
Present return.	
Next preceding return.	
Corresponding return of last year.	

$$s, \text{Ch. } \mu, \text{Ch. } \pi, \text{Ch. } \beta, \text{Ch. } \eta, \text{Ch. } \nu, \text{Ch. } \kappa, \text{Ch. } \lambda,$$

10.1	10.2	+	10.3	10.4	10.5
10.6	10.7	10.8	10.9	10.10	10.11
10.12	10.13	10.14	10.15	10.16	10.17
10.18	10.19	10.20	10.21	10.22	10.23
10.24	10.25	10.26	10.27	10.28	10.29
10.30	10.31	10.32	10.33	10.34	10.35
10.36	10.37	10.38	10.39	10.40	10.41
10.42	10.43	10.44	10.45	10.46	10.47
10.48	10.49	10.50	10.51	10.52	10.53
10.54	10.55	10.56	10.57	10.58	10.59
10.60	10.61	10.62	10.63	10.64	10.65
10.66	10.67	10.68	10.69	10.70	10.71
10.72	10.73	10.74	10.75	10.76	10.77
10.78	10.79	10.80	10.81	10.82	10.83
10.84	10.85	10.86	10.87	10.88	10.89
10.90	10.91	10.92	10.93	10.94	10.95
10.96	10.97	10.98	10.99	10.100	10.101

10 4 10 4 10 0 1 -20 | +12 | +00

[illegible][illegible]

KAYOMI OR KAYUM. ITALIAN MILLET. ( <i>Setaria italica</i> .)			GEAM, CHANA. ORHOLA, KADALAY. OR OCHOLA. ( <i>Oleria aristatum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
18	8	23	0	23	8	23	0	23	0	23	0
20	8	20	0	20	8	20	0	20	0	20	0
20	8	20	0	20	8	20	0	20	0	20	0
17	0	21	0	17	0	21	0	17	0	21	0
20	0	20	0	20	0	20	0	20	0	20	0
20	8	20	0	20	8	20	0	20	0	20	0

18	4	18	4	18	0	18	14	18	14	20	0
20	0	2	0	...	...	22	6	22	8	17	8
...	...	...	...	...	...	22	0	22	0	22	14
...	...	...	...	...	...	16	0	16	0	16	0
...	...	...	...	...	...	26	8	26	8	20	0
...	...	...	...	...	...	20	0	20	8	20	0
...	...	...	...	...	...	17	8	19	0	18	0
...	...	...	...	...	...	28	2	28	2	20	0
...	...	...	...	...	...	20	0	20	0	18	4
...	...	...	...	...	...	19	8	18	19	17	4
...	...	...	...	...	...	28	0	30	0	21	4
...	...	...	...	...	...	11	0	11	0	10	8
...	...	...	...	...	...	20	0	16	0	16	0

...	...	...	...	...	...	18	0	16	0	17	0
...	...	...	...	...	...	22	0	22	0	16	0
...	...	...	...	...	...	15	0	15	0	16	0
...	...	...	...	...	...	16	8	18	4	16	0

## Districts of Bengal during the Fortnight ending the 15th June 1887.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICT
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR TUR. CADJAN PUL. (Cajanus indicus.)			PEANWOOD.			SALT.			SALT.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
S. Ch. S. Ch.																					

I In Thakurgaon sub-division retail price of salt 10 seers per rupee.

J In Nattore and Nodduze sub-divisions retail price of salt 12 seers per rupee.

K In sub-divisions retail prices of salt per rupee were:—Gaidanda 14 seers and Kurigram 13 seers.

L In Barisal sub-division retail price of salt 13 seers per rupee.

M At Chittagong retail price of salt 10 seers per rupee.

N In Alipore sub-division (at Falticott) retail price of salt 10 seers per rupee.

O In sub-divisions retail prices of salt per rupee were:—Manikganj 11 seers, Moonsheeazungo 10½ seers, and Naraingonj 11½ seers.

P In sub-divisions retail prices of salt per rupee were:—Gaidanda 13 seers and Madaripore 12½ seers.

Q In sub-divisions retail prices of salt per rupee were:—Fatuakhal 9½ seers, Pirozpur 11 seers, and Bhola 10½ seers.

R In sub-divisions retail prices of salt per rupee were:—Kishoreganj 9½ seers, Atan 13 seers, Noirakona 9 seers, Jamalpur 10½ seers, and Surespur 10 seers.

## PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN											
		WHEAT.			BARLEY.			RICE, SUPERIOR.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

## Eastern Districts.—Continued.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong	16 0	16 0	14 0	...	...	...	12 0	11 8	10 11	16 8	15 14	18 0
23	Noakhally*	...	...	...	...	...	...	...	...	...	...	...	...
24	Tipperah	11 7	13 1	13 4	...	...	...	14 15	15 11	14 0	18 7	18 12	17 8
25	Chittagong Hill Tracts.	...	...	...	...	...	...	10 11	11 7	8 14	11 8	12 5	9 6
	Hill Tipperah	12 0	12 0	12 0	...	...	...	12 0	12 0	11 0	16 0	15 0	16 0

## BEHAR.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
26	Patna	17 6	18 0	21 0	32 0	32 0	30 0	11 8	11 8	11 8	21 0	24 0	17 0
27	Gya	18 0	17 8	18 0	35 0	35 0	31 0	9 0	11 0	9 0	18 8	18 0	...
28	Shahabad	15 8	10 0	19 0	39 0	39 0	30 0	8 0	8 0	8 0	17 0	16 0	18 0
29	Durbhanga	17 10	18 11	19 11	28 10	33 0	24 0	12 0	12 0	10 0	18 12	20 14	16 0
30	Muzaffarpore	10 0	20 0	20 0	39 0	30 0	32 0	10 0	12 0	13 0	20 0	22 0	16 0
31	Barua	15 0	15 8	19 8	29 0	29 0	28 0	8 0	8 0	7 12	21 0	21 0	19 0
32	Chumprah	20 0	21 0	21 0	38 0	35 0	32 0	7 8	7 8	10 8	19 0	18 0	16 8
33	Monghyr	19 14	18 14	22 1	30 6	39 5	20 4	14 1	14 0	13 0	10 12	17 14	15 12
34	Bhagnipore	17 10	16 11	20 3	37 14	37 14	30 6	17 10	17 10	16 14	18 15	20 3	18 10
35	Patna	18 0	20 0	20 0	...	...	...	16 0	20 0	18 0	20 0	22 0	20 0
36	Maidah	18 8	18 0	20 0	...	...	...	14 0	14 0	10 0	19 0	21 0	19 0
37	Meerut Parah	13 0	14 0	16 0	...	...	...	18 0	18 0	18 0	25 0	26 0	23 0

## ORISSA.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
38	Cuttack	14 7	14 7	14 7	...	...	...	13 2	15 2	10 8	10 11	18 0	17 1
39	Pocho	10 8	10 8	14 7	...	...	...	14 7	14 7	11 13	22 8	22 6	15 12
40	Balasore	15 0	16 0	19 0	13 0	13 0	13 0	14 0	14 0	12 0	25 0	27 0	24 0

## SOUTH-WESTERN FRONTIER PROVINCE.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
41	Hazratnagar	18 0	18 0	17 0	21 0	21 0	20 0	9 0	9 8	10 0	18 0	19 0	18 8
42	Laharidurga	22 0	24 0	19 0	28 0	29 0	22 0	17 0	18 0	16 0	22 0	23 0	21 0
43	Singhbar	20 0	20 0	16 0	32 0	32 0	32 0	20 0	20 0	24 0	24 0	23 0	28 0
44	Mankhoom	18 0	18 0	16 0	...	...	...	18 8	18 0	10 0	18 0	18 0	27 0

\* Figures not recorded.

- 8 In Cox's Bazar sub-division retail price of salt 12 seers per rupee.  
 1 In ... sub-division retail price of salt per rupee were:—Durgamchandi 11 seers and "bandhore" 11 seers.  
 C In sub-division retail price of salt per rupee were:—Durgamchandi 12 seers and "bandhore" 11 seers.  
 V In sub-division retail price of salt per rupee were:—Durgamchandi 12 seers and "bandhore" 11 seers.  
 W In sub-division retail price of salt per rupee were:—Durgamchandi 12 seers and "bandhore" 11 seers.  
 X In sub-division retail price of salt per rupee were:—Durgamchandi 12 seers and "bandhore" 11 seers.  
 Y In sub-division retail price of salt per rupee were:—Durgamchandi 12 seers and "bandhore" 11 seers.

CALCUTTA,  
The 21st June 1887.

# SEKRS OF 80 TOLAH8.

BAJRA or CUMBU.  
(Pennisetum typho-  
(dam.)

MARDA or KAGI.  
(Eleusine Corocoma.)

Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
-----------------	------------------------	------------------------------------	-----------------	------------------------	------------------------------------

S. Ch. 9. Ch. 10. Ch. 11. Ch. 12. Ch. 13. Ch. 14. Ch. 15.

275	210	20	121	215	215
212	210	215	212	212	212
210	210	200	202	210	202
200	210	200	202	210	200
210	212	200	200	200	200

20 0 20 0 20 0 20 0 20 0 20 0

200	200	200	200	200	200
200	200	200	200	200	200

30 12 30 12 30 0 30 0 30 0

210	200	200	20 0	20 0	20 0
-----	-----	-----	------	------	------

200 200 200 24 0 24 0 21 0

210	200	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

200	210	200	200	200	200
-----	-----	-----	-----	-----	-----

200 210 200 200 200 200

200	210	200	20 0	20 0	20 0
-----	-----	-----	------	------	------

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	20 0	20 0	20 0
-----	-----	-----	------	------	------

210 210 200 20 0 20 0 20 0

210	210	200	20 0	20 0	20 0
-----	-----	-----	------	------	------

210 210 200 20 0 20 0 20 0

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

210	210	200	200	200	200
-----	-----	-----	-----	-----	-----

210 210 200 200 200 200

KANONI OR KANON, ITALIAN MILLET. ( <i>Scleria italica</i> .)	GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA. ( <i>Cleop. cristatum</i> .)
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Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
-----------------	------------------------	------------------------------------	-----------------	------------------------	------------------------------------

18. Ch.	18. Ch.	18. Ch.	18. Ch.	18. Ch.	18. Ch.
---------	---------	---------	---------	---------	---------

...	...	...	18 0	11 0	11 0
...	...	...	...	...	...
...	...	...	14 0	14 0	14 0
...	...	...	...	...	...
...	...	...	13 0	13 0	13 0

24 0	24 0	20 0	20 0	22 0	22 0
26 0	16 0	17 0	27 0	16 0	24 0
...	...	...	20 0	22 0	22 0
...	...	18 0	26 0	27 0	27 0
...	...	...	27 0	28 0	28 0
14 0	14 0	16 0	27 0	26 0	26 0
...	...	...	23 0	23 0	23 0
21 0	27 12	26 12	23 8	20 8	27 12
...	...	...	27 12	27 12	24 0
16 0	16 0	18 0	30 0	20 0	20 0
...	...	...	27 0	27 0	25 0
...	...	...	28 0	29 0	29 0

(Khalai)

...	...	...	17 1	17 1	17 1
...	...	...	13 2	13 2	14 7
...	...	...	18 0	16 0	16 0

(Khalai)

Not procurable	20 0	21 0	19 0
...	22 0	20 0	18 0
...	16 0	16 0	18 0
...	18 0	20 0	2 0

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## Districts of Bengal during the Fortnight ending 15th June 1887—(Concluded)

															WHOLESALE PRICES PER MAUND OF 40 SEERS.									DISTRICTS.
INDIAN CORN OR MILLET. (See Maps.)						ARABIC OR TURK. CASIAN PEA. (Cajanus indicus.)						FIREWOOD.			SALT.			SALT.						
Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		Present return.		Next preceding return.		Corresponding return of last year.		
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	9 0	9 0	10 0	80	80	100	10 0	12 0	12 0	3 10	0 3	0 0	3 4	10	Chittagong.							
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nonkholly.						
...	...	...	9 11	10 10	9 4	...	...	...	11 8	11 6	10 13	3 6	0 3	0 0	3 11	0	Tippurah.							
...	...	...	...	...	...	320	320	0 320	0 8	0 8	0 8	0 4	8 0	4 8	0 4	8 0	0	Chittagong Hill Tracts.						
...	...	...	16 0	16 0	10 0	...	...	...	11 0	11 0	11 0	3 4	0 3	4 0	3 4	0 3	4 0	Hill Tippurah.						
BENGAL.																								
27 0	32 0	36 0	28 0	36 0	26 0	120	0 120	0 120	0 11	8	11 8	11 6	3 1	0 3	1 0	3 1	0 3	1 0	Patna.					
...	...	...	23 0	21 0	21 0	100	0 100	0 100	0 11	0	11 0	11 0	3 6	0 8	5 0	3 5	0 3	5 0	Gya.					
...	...	...	15 0	10 0	19 0	160	0 160	0 160	0 12	0	12 0	12 8	3 5	0 3	5 0	3 2	0 3	2 0	Shahabad.					
27 8	30 0	23 0	20 14	20 8	20 0	170	0 300	0 160	0 12	0	11 8	11 8	3 0	0 3	4 0	3 4	0 3	4 0	Derbhanga.					
30 0	30 0	27 0	22 0	22 0	22 8	140	0 140	0 140	0 12	0	12 0	12 0	3 4	0 3	4 0	3 4	0 3	4 0	Mosufferpore.					
30 0	30 0	25 8	26 8	28 0	28 8	120	0 100	0 160	0 12	0	12 0	11 0	3 3	0 3	4 0	3 5	0 3	5 0	Surea.					
31 0	32 0	...	22 8	22 0	27 0	100	0	...	12 0	11 8	12 0	3 4	0	...	...	...	...	...	Chumprayan.					
27 4	42 0	24 2	23 0	21 0	21 0	130	0 126	0 126	0 12	9	12 9	13 2	3 0	0 3	0 0	3 11	0 3	11 0	Monghyr.					
35 4	35 6	22 11	22 11	23 10	19 8	138	14 151	8 164	2 12	10	12 10	11 14	3 3	0 3	3 0	3 1	0 3	1 0	Bhagulpore.					
Not sold.	...	...	14 0	16 0	17 0	120	0 128	0 128	0 10	8	10 8	10 8	3 10	0 3	0 0	3 10	0 3	10 0	Purneah.					
...	...	...	...	...	...	120	0 126	0 180	11 8	11 0	12 0	3 5	0 3	0 0	3 0	0 3	5 0	...	Maldah.					
33 0	32 0	39 0	26 0	26 0	23 0	200	0 200	0 200	0 11	8	11 8	11 8	3 4	0 3	4 0	3 7	0 3	7 0	Sonthal Pargana.					
ORISSA.																								
...	...	...	...	...	...	80	0 80	0 80	0 19	0	14 0	14 0	3 1	0 2	12 0	3 12	0 3	12 0	Cuttack.					
...	...	...	14 7	14 7	17 1	70	0 70	0 80	0 14	7	14 7	14 7	2 10	0 2	10 0	3 10	0 3	10 0	Pooree.					
...	...	...	11 0	21 0	14 0	100	0 100	0 100	0 10	8	10 8	9 8	3 5	0 3	0 0	3 14	0 3	14 0	Balasore.					
CHOTA NAGPORE. South-Western Frontier Agency.																								
26 0	28 0	24 0	21 0	21 0	19 0	220	0 320	0 240	0 10	0	10 0	10 0	3 10	0 3	6 0	3 8	0 3	8 0	Hazaretnagar.					
...	...	...	28 0	28 0	19 0	120	0 140	0 120	0 9	12	19 0	9 8	4 0	0 3	14 0	4 2	0 4	2 0	Lohardugga.					
...	...	...	30 0	30 0	21 0	390	0 390	0 360	0 8	0	8 0	9 0	4 0	0 4	0 0	4 0	0 4	0 0	Singbhum.					
...	...	...	22 0	23 0	19 0	240	0 240	0 240	0 10	10	10 10	11 10	3 5	0 3	8 0	3 0	0 3	0 0	Manikganj.					

- Y In Juncal sub-division retail price of salt 11½ seers per rupee.  
 Z In Juncal, Muddhapura, and Sompod sub-divisions retail prices of salt 1½ seers per rupee.  
 Z1 In sub-divisions retail prices of salt per rupee were:—Kishanganje 10 seers and Arburah (at Ranergunge) 11½ seers.  
 Z2 In sub-divisions retail prices of salt per rupee were:—Boghar, Pauran, and Rajmahal 12 seers and Godda 11 seers.  
 Z3 In Khorda sub-division retail price of salt 14 seers per rupee.  
 Z4 In Bhadrak sub-division retail price of salt 10½ seers per rupee.  
 Z5 In Chhota Nagpore (at Khataulha) retail price of salt 11 seers per rupee.  
 Z6 In Goddard sub-division retail price of salt 12 seers per rupee.

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*PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in*

Number.	MARKS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 9 0	2 9 0	2 8 2	1 6 0	1 6 0	1 6 0	3 4 0	3 4 0	4 1 2	1 13 6	1 13 6	2 5
2	Barragunge ...	...	...	...	...	...	...	3 12 0	3 12 0	4 8 0	2 0 0	1 13 0	1 13
3	Dacca ...	2 12 0	2 12 0	2 6 0	1 11 0	1 11 0	1 8 0	2 6 0	2 0 0	2 10 0	2 0 0	2 0 0	2 7
4	Narsingnaga ...	...	...	...	...	...	...	2 8 0	2 4 0	2 10 0	2 0 0	2 2 0	2 7
5	Chittagong ...	2 6 0	2 8 0	2 10 0	...	...	...	2 2 0	2 4 0	2 12 0	2 4 0	2 6 0	2 0
6	Patna ...	2 4 0	2 0 0	1 13 6	1 3 6	1 3 6	1 4 0	2 0 0	2 0 0	2 0 0	1 13 0	1 6 0	2 5
7	Balacore ...	2 9 0	2 6 0	2 2 0	2 0 0	2 0 0	2 0 0	2 12 0	2 12 0	3 0 0	1 7 0	1 6 0	1 12
8	Pooree ...	...	...	...	...	...	...	...	...	...	1 11 0	1 11 0	2 4
9	Cuttack ...	2 10 0	2 10 0	2 10 0	...	...	...	2 0 0	2 0 0	2 10 0	2 0 0	2 2 0	2 1

CALCUTTA,  
The 21st June 1887.

PRICES PER MAUND					
LOWAR OR CHOLU. (Sorghum Vulgare.)			BAJZA OR CUMBU (Pennisetum typhoidrum.)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.	R.A.P.
1 10 01	10 01	14 62	8 02	8 08	0 0
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
1 6 01	6 02	4 01	6 01	6 01	6 0
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

OF 40 SHEETS

MARUA OR RAGI. (Monsine Corocana.)			KAKORI OR KAKU ITALIAN MILLET. (Sotaria italica.)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
000	000	000	2 5 0	2 0 2	2 0
000	000	000	000	000	000
000	000	000	000	000	000
000	000	000	000	000	000
000	000	000	000	000	000
000	000	000	000	000	000
1 4 0	1 3 0	1 3 0	1 9 6	1 3 6	1 1
000	000	000	000	000	000
000	000	000	000	000	000
000	000	000	000	000	000

10886

undermentioned *Marts* of Bengal during the fortnight ending 15th June 1887.

GRAM, GHANA, CHHOLA, KADILAY OR SURAGA. (Clear Aristinum.)			INDIAN-CORN OR MAHER. (Zea Mays)			ARHAR OR THUR (CAJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 9 0	1 9 0	1 12 7	1 8 0	1 8 0	1 13 8	2 0 0	2 0 0	2 0 0	0 6 3	0 6 0	0 7 3	3 6 0	3 0 0	3 12 0	Calcutta.
2 8 0	1 12 0	2 3 9	...	...	...	...	...	...	...	...	...	3 3 0	3 0 0	3 9 0	Serajunga.
3 7 0	2 11 0	2 8 0	...	...	...	2 7 0	2 7 0	...	0 6 0	0 6 0	0 5 0	3 3 0	3 3 0	3 3 0	Dacca.
3 4 0	2 8 0	2 7 0	...	...	...	3 4 0	3 2 0	2 6 0	0 8 0	0 8 0	0 8 0	3 3 0	3 3 0	3 3 0	Narsingunge.
5 0 0	3 4 0	3 8 0	...	...	...	4 0 0	4 0 0	3 12 0	0 10 0	0 10 0	0 6 0	3 10 0	3 0 0	3 4 0	Chittagong.
1 5 0	1 3 8	1 5 6	1 5 9	1 8 0	1 8 8	1 5 6	1 5 6	1 6 0	0 5 0	0 5 0	0 4 6	3 1 6	3 1 6	3 1 6	Patna.
2 5 0	2 8 0	2 8 0	...	...	...	3 4 0	3 4 0	3 12 0	0 4 2	0 5 0	0 5 0	3 1 0	3 0 0	3 12 0	Balassore.
...	...	...	...	...	...	...	...	...	...	...	...	2 10 0	2 10 0	2 10 0	Pooree.
3 0 0	(Katal) 2 0 0	2 2 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	3 1 0	2 12 0	2 12 0	Cuttack.

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Secy. to the Govt. of Bengal.

# Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISIONS.		DISTRICT.	Representative station.	STATION OBSERVATIONS.													
				AIR PRESSURE.			WIND.		TEMPERATURE.								
				Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
CHITTAGONG.	Poorce	Gopalpore	29.406	29.548	-.044	SSW	440.0	88.2	11th June	70.8	12th June	87.0	81.3	84.1	-0.8	84.1	
		Pulse Point	29.547	29.603	-.056	SW	487	84.5	17th "	77.1	18th "	89.0	70.7	81.7	-2.5	81.7	
	Outtack	Outtack	29.477	29.539	-.062	Variable	210	87.9	11th "	70.8	11th "	94.2	78.7	80.5	-1.8	80.5	
	Balasore	Balasore	29.502	29.501	-.001	SSW	303.0	84.4	17th "	70.7	14th "	91.5	78.0	80.1	+0.1	80.1	
SOUTH-WEST BENGAL.	South-West Midnapore	Bangor Island	29.583	29.589	-.006	Southerly	429	95.7	11th "	80.5	11th, 12th, 13th June.	92.0	81.9	87.0	+0.0	87.0	
	South 24-Pargunnah	Midnapore	29.429	29.579	-.050	Variable	165.7	87.3	17th "	77.3	14th "	92.8	78.8	85.8	-0.6	85.8	
	24-Pargunnah																
	Howrah	Calcutta	29.550	29.681	-.031	ESE, SW	189	85.5	17th "	77.2	13th, 14th June.	80.1	76.5	83.9	-1.3	83.9	
	Hooghly																
	Burdwan	Burdwan	29.484	29.583	-.099	Southerly	105	90.1	14th "	78.4	17th, 18th, 14th June.	94.1	79.2	86.7	+0.2	86.7	
	Bankura	Bankura	29.250	-	-	South-easterly	56.3	95.1	11th "	70.6	14th "	90.7	78.5	84.2	-	84.2	
	Boerhoom	Raneekunja	29.242	-	-.001	ESE	140.8	85.0	11th "	77.3	14th "	91.3	78.8	85.1	-3.7	85.1	
	West Burdwan																
	Moohadabad	Berhampore	29.223	29.580	-.057	SSW	131.8	94.7	12th "	77.3	10th "	91.2	78.4	84.8	-1.1	84.8	
	Nuddea	Krishnagar	29.643	-	-	Southerly	140.2	94.8	12th "	77.7	11th, 13th, 14th, 15th June.	90.7	78.3	84.5	-	84.5	
	Jessore	Jessore	29.274	29.607	-.033	Southerly	124.7	98.7	17th "	72.9	11th "	90.0	78.1	84.3	-1.1	84.3	
EAST BENGAL.	Khoolna																
	Chittagong	Chittagong	29.267	29.377	-.010	SE	154	92.2	12th "	77.0	14th, 16th June.	82.0	77.5	82.8	+1.1	82.8	
	Chittagong Hill Tracts	Dumaria															
	Backergunge	Bartul	29.612	29.624	-.012	S	150.4	91.8	17th June	77.8	19th "	80.2	79.6	84.8	-	84.8	
	Naokholy	Naokholy	29.609	29.651	-	SE	60.0	90.8	12th "	74.3	17th "	88.4	77.9	83.2	-	83.2	
	Furzedpore	Furzedpore	29.570	-	-.050	SE	155.0	88.5	11th "	74.9	17th "	87.1	78.3	82.7	+0.4	82.7	
	Dacca	Dacca	29.590	29.622	-.032	SSE, SSW	161	92.1	12th "	76.7	17th "	90.1	74.0	84.4	+1.1	84.4	
	Comandah	Comandah	29.601	29.644	0	SE	125.6	93.3	11th "	72.8	17th "	89.1	78.9	83.5	+2.0	83.5	
	Mymensingh	Mymensingh	29.587	-	0	SE	108.6	91.8	13th "	70.1	14th "	89.2	78.0	83.6	+3.0	83.6	
	Bogra	Bogra	29.621	29.645	-	SE	115.4	91.5	12th, 13th June.	70.8	17th "	89.4	78.2	84.7	-	84.7	
	Pabna	Serajunga	29.620	29.606	-.014	SSE	120.8	91.6	12th "	77.8	17th "	89.0	78.0	84.3	+1.9	84.3	
	Rajshyee	Rampore Bazar	29.617	29.590	-.027	SE	115.7	92.3	11th "	74.5	18th "	90.1	77.0	83.8	0	83.8	
NORTH BENGAL.	Maldah	Maldah	29.415	-	-	SE	55.49	94.0	11th, 12th June.	77.8	10th "	91.0	79.3	84.5	-	84.5	
	Dinagore	Dinagore	29.475	29.588	-.013	SSE	91.4	93.1	11th "	74.1	10th "	90.0	77.9	84.0	+1.5	84.0	
	Rungpore	Rungpore	29.500	29.630	0	Calm	10.16	91.3	13th "	78.7	16th "	89.2	77.3	83.3	+1.5	83.3	
	Jalpigoree	Jalpigoree	29.341	29.631	-.022	NE	144.3	92.0	11th, 17th June.	70.8	11th "	86.0	78.8	79.0	-1.8	79.0	
	Cooch Behar																
	Darjeeling Hill Districts	Darjeeling	29.603	-	-.010	Variable	42.5	68.6	11th "	54.1	10th "	63.8	63.5	60.7	+0.3	60.7	
	Purneah	Purneah	29.470	29.589	-.012	Calm, SE	20.2	93.2	11th, 13th June.	78.6	17th "	89.0	77.3	83.5	-1.8	83.5	
	North Bhagalpore																
	Mozufferpore	Mozufferpore															
	Durghanga	Durghanga	29.494	29.570	-.012	SSE, NE	298	94.9	11th June	78.0	13th "	90.6	78.7	84.7	-1.3	84.7	
	Chumpan	Mothari	29.236	29.321	-.085	SSE	265.6	92.8	12th "	74.3	18th "	90.6	78.0	84.3	-2.1	84.3	
	Narun	Chupra	29.357	-	-.024	E	40.7	90.0	13th "	76.0	10th "	90.8	78.8	87.1	-5.7	87.1	
SOUTH BENGAL.	Shahabad	Dehra	29.183	29.531	-.008	SE	272.0	97.0	11th "	78.0	10th "	91.0	79.4	85.7	-2.5	85.7	
		Buxar	29.202	29.630	-.024	E	230.5	100.4	12th "	76.8	13th "	95.1	79.4	87.8	-4.1	87.8	
		Arrah	29.230	29.626	-.029	SE	103.8	98.4	12th "	77.6	16th, 17th June.	95.1	79.5	87.8	-	87.8	
	Gya	Gya	29.156	29.539	-.028	Variable	99	96.5	12th "	78.3	13th, 14th, 15th June.	90.2	80.3	87.9	-2.3	87.9	
	Patna	Bankipore	29.274	29.656	-.007	E	124	96.0	13th "	77.8	10th, 17th June.	92.0	79.4	85.7	-3.4	85.7	
	South Bhagalpore	Bhagalpore	29.394	29.650	-.024	SE	82.8	90.4	11th "	77.0	13th "	93.7	78.5	85.9	-0.6	85.9	
	Monghyr																
	South Pargunnah	Deanka	29.083	-	-	ESE	20.0	94.0	11th "	70.7	13th, 16th June.	91.4	78.8	84.8	-	84.8	
	Hazratnagar	Hazratnagar	27.583	29.336	-.002	Variable	320.0	92.5	11th "	78.0	16th "	84.3	74.0	81.9	-1.1	81.9	
	Lohardugga	Ranchee	27.447	29.551	-.023	Variable	183.4	94.2	11th "	71.4	14th, 15th June.	80.1	78.5	79.5	-5.9	79.5	
	Manikbhum																
	Singhbhum	Chyabasa	29.781	-	-	Variable	64.7	90.4	11th "	70.7	13th "	92.0	78.8	85.4	-	85.4	
ASSAM.	Silchar		29.553	29.664	-.011	SW	02	96.0	12th "	70.6	12th "	89.0	77.3	82.7	+0.7	82.7	
	Dhubr		29.510	29.626	-.022	Variable	175	90.2	11th, 13th June.	74.5	10th "	84.0	78.4	80.8	-1.0	80.8	
	Silchar		29.551	29.688	-.030	Variable	78	93.0	12th "	73.3	13th "	90.6	75.3	83.5	+0.8	83.5	

*Explanation. - Summary.* - The normal means of air pressure and temperature are the arithmetic average of means of the readings during the same period for the last 10 years. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A zero is denoted by 0 and an overcast sky by 10. The normal means of the average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the 10 years. A rainy day is one on which at least hundredth of an inch fell.

\* Means for 5 days.

for the week ending Friday, the 17th June 1887.

DISTRICT OBSERVATIONS.														Representative station.	District.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.									Average number of rainy days.	Normal number of rainy days.			
			Of week.		Since 1st of month.			Since 15th May 1897.								
			Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.			
75	5.0	1.06	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	Peerae	ORISSA.
75	7.0	1.45	—	1.51	—	—	—	—	—	—	—	—	—	False Point	...	
65	5.7	1.39	—	2.70	—	—	—	—	—	—	—	—	—	Cuttack	Cuttack	
71	5.6	2.44	1.93	1.80	2.16	3.87	-1.71	5.44	0.00	+5.44	4.0	—	—	Balmsore	Balmsore	
85	5.9	1.47	1.06	2.32	1.76	4.90	-3.14	4.71	7.10	-2.39	5.0	—	—	Saugor Island	South-West Midnapore	SOUTH-WEST BENGAL.
67	5.1	1.37	1.18	2.31	2.73	4.87	-2.14	6.62	8.83	-2.21	3.0	—	—	Midnapore	South 24-Pargunnahs	
77	7.4	2.26	2.57	2.60	3.31	5.65	-2.34	6.61	8.27	-2.26	4.8	—	—	Dacca	24-Pargunnahs	
71	4.8	0.84	1.40	2.55	6.05	3.07	-2.02	11.44	7.34	+4.10	4.7	—	—	Burdwan	Burdwan	
78	5.9	1.94	1.68	2.60	2.03	6.46	-3.83	6.12	7.20	-1.17	4.0	—	—	Bankura	Bankura	SOUTH-WEST BENGAL.
70	5.0	1.20	1.49	3.66	2.86	5.16	-2.30	5.43	6.62	+2.61	4.5	—	—	Ranagunge	Berhampur	
79	9.5	1.99	3.35	2.69	6.33	4.93	+1.40	15.34	7.60	+7.74	5.7	—	—	Berhampur	Mooreabad	
77	5.0	2.11	2.42	2.57	4.20	6.14	-1.94	10.64	6.48	+1.35	4.6	—	—	Krishnagar	Nadua	
80	8.7	2.39	2.84	3.83	4.94	7.58	-2.64	6.72	10.97	-4.25	4.6	—	—	Jessore	Jessore	SOUTH-WEST BENGAL.
81	8.6	3.20	—	3.72	—	10.84	—	—	22.32	—	—	—	—	Chittagong	Chittagong	
61	7.0	1.31	2.62	5.14	4.76	11.22	-6.46	6.42	15.25	-8.83	5.3	—	—	Demagiri	Chittagong Hill Tracts	
70	4.0	2.01	—	8.50	—	17.18	—	—	22.18	—	—	—	—	Barrickat	Barrickat	
81	3.1	3.19	3.06	3.30	7.30	7.30	-0.20	8.05	12.08	-3.43	3.7	—	—	Farrukpore	Farrukpore	SOUTH-WEST BENGAL.
84	7.1	3.66	2.63	4.90	5.67	7.81	-1.04	7.29	12.60	-4.08	5.8	—	—	Dacca	Dacca	
78	7.3	3.14	—	3.51	—	10.04	—	—	15.26	—	—	—	—	Comilla	Tipperah	
82	6.6	4.14	—	4.77	—	10.04	—	—	14.62	—	—	—	—	Mymensingh	Mymensingh	
80	0.0	3.47	2.56	5.51	—	7.01	—	—	11.30	—	—	—	—	Bogra	Bogra	NORTH BENGAL.
70	0.0	0.81	0.70	5.16	5.03	5.06	+1.06	11.20	10.59	+0.61	4.5	—	—	Sonajunga	Pubna	
78	3.9	1.90	—	2.72	—	5.03	-0.16	14.70	5.70	+9.00	—	—	—	Rampore	Rajshahi	
77	4.4	2.74	2.58	3.36	8.20	5.48	-0.27	20.75	7.70	+13.05	4.0	—	—	Maldah	Maldah	
84	0.4	0.77	4.67	4.91	6.70	7.27	+0.56	31.70	10.37	+21.33	5.2	—	—	Dinapore	Dinapore	NORTH BENGAL.
87	0.1	13.89	11.66	0.09	18.01	11.62	+6.39	32.95	16.40	+7.05	5.2	—	—	Rangpore	Rangpore	
84	8.2	11.47	14.13	7.38	18.42	10.30	-1.10	27.34	24.95	+2.39	0.2	—	—	Jalpaiguri	Cooch Behar	
81	8.8	6.85	9.46	7.17	12.44	15.62	—	—	10.32	—	—	—	—	Darjeeling	Darjeeling Hill District	
75	5.7	4.54	—	3.77	—	5.44	—	—	7.87	—	—	—	—	Purneah	Purneah	NORTH BENGAL.
88	5.7	4.11	4.00	3.03	4.79	5.04	+1.25	10.03	4.84	+5.19	2.7	—	—	Mozufferpore	Mozufferpore	
73	8.6	1.46	1.51	2.29	3.01	2.45	-0.56	5.22	4.77	+0.45	3.0	—	—	Durbhanga	Durbhanga	
76	8.3	1.38	1.00	1.45	1.07	2.01	-1.01	3.01	3.44	-0.43	2.3	—	—	Motihari	Champaran	
84	4.7	4.87	—	—	—	—	—	—	—	—	—	—	—	Chupra	Saran	SOUTH BENGAL.
60	5.7	2.26	2.20	1.28	3.20	1.72	+0.48	8.21	2.18	+6.03	2.5	—	—	Dahra	Shahabad	
78	6.3	2.45	—	—	—	—	—	—	—	—	—	—	—	Arrah	—	
84	6.6	0.63	1.53	1.80	2.12	2.37	-0.23	7.40	3.49	+3.91	2.5	—	—	Gya	Gya	
81	7.9	2.10	—	2.10	—	3.01	—	—	3.66	—	—	—	—	Bankipore	Patna	SOUTH BENGAL.
73	5.9	2.68	1.83	1.92	2.14	3.90	-0.70	9.53	4.12	+5.41	3.3	—	—	Bagulpore	South Bagulpore	
71	5.4	0.77	1.54	2.62	2.02	4.45	-2.43	13.76	6.24	+7.52	4.7	—	—	Dumka	South Pargunnahs	
78	8.0	0.73	—	2.61	—	4.10	—	—	5.20	—	—	—	—	Hazaribagh	Hazaribagh	
79	8.0	1.74	—	1.16	—	5.51	—	—	4.31	—	—	—	—	Ranchi	Manbhum	CHITTA NAG.
69	7.4	0.76	0.75	2.33	0.63	2.84	-3.11	10.34	0.06	+10.28	4.0	—	—	Chyabassa	Singbhum	
60	8.8	3.34	—	—	—	—	—	—	—	—	—	—	—	Sibpur	—	
69	7.4	8.08	—	—	—	—	—	—	—	—	—	—	—	Dinabadi	Assam	
77	8.0	4.11	—	—	—	—	—	—	—	—	—	—	—	Shibpur	—	ASAM.

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater. The normal mean is the average of the means for the week ending Friday, the 17th June 1887. Under the head "District observations of rainfall, the normal mean is the average of the means for the week ending Friday, the 17th June 1887. The means of the district are the numerical averages of the rainfall returns received in the district, &c., from the total rainfall at the subdivisions.

## Statement of Rainfall in Bengal for the week ending Friday (8 p.m.), the 17th of June 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain- fall since 1st of May.	Average total rain- fall from 1st of May.	Total rain- fall since 15th May 1887.	Average rainfall from 15th May to date.
			Saturday, 11th June.	Sunday, 12th June.	Monday, 13th June.	Tuesday, 14th June.	Wednesday, 15th June.	Thursday, 16th June.	Friday, 17th June.	Number of rainy days.	of Rainfall week.				
NORTH- WEST BENGAL.	Purboe	Purboe	0.42	0.28	0.14	0.32	0.03	.....	.....	4	1.06	1.11	2.80	2.80	4.40
		Khatuloh	0.11	0.78	0.56	0.14	0.03	.....	.....	4	1.57	2.03	3.71	3.71	5.79
		Banpur	0.55	0.71	0.56	0.14	0.03	.....	.....	4	1.51	1.57	3.81	3.81	5.61
		Fatu Point	0.90	0.75	0.14	0.63	.....	.....	.....	4	1.51	1.57	3.81	3.81	5.61
		Pipri	.....	0.42	0.20	.....	.....	.....	.....	2	0.62	1.15	?	4.21	?
	Outlook	Jagatsingapore	.....	0.10	0.27	0.20	.....	.....	.....	3	0.57	0.67	2.43	4.35	4.65
		Banok	0.05	0.20	0.47	.....	.....	.....	.....	3	0.72	0.67	3.07	4.35	4.65
		Outlook	0.30	0.20	0.60	0.25	.....	0.12	.....	3	1.14	1.14	3.00	7.38	7.40
		Kendrapara	0.00	0.04	0.60	0.20	.....	.....	.....	3	1.14	1.14	3.00	7.38	7.40
		Jalpur	0.33	0.10	0.53	0.07	.....	.....	.....	3	0.93	0.93	3.20	7.38	7.40
	Balsore	Pharwalia	.....	0.61	0.53	0.07	.....	.....	.....	3	0.93	0.93	3.20	7.38	7.40
		Satipura	.....	.....	.....	.....	.....	.....	.....	3	0.93	0.93	3.20	7.38	7.40
		Chandhal	.....	1.03	0.30	0.24	.....	0.62	.....	4	0.76	0.89	3.74	1.00	5.43
		Bhuddrak	.....	1.14	0.12	0.12	.....	.....	.....	4	0.76	0.89	3.74	1.00	5.43
		Korah	.....	1.14	0.23	0.03	.....	.....	.....	4	0.76	0.89	3.74	1.00	5.43
SOUTH-WEST BENGAL.	Midnapore	Balasore	0.10	0.13	0.37	.....	.....	.....	0.14	4	0.76	0.89	3.74	1.00	5.43
		Baripada	.....	.....	.....	.....	.....	.....	.....	4	0.76	0.89	3.74	1.00	5.43
		Contal	0.29	0.40	0.60	0.28	0.07	.....	.....	5	1.74	1.74	4.04	6.88	6.88
		Saugor Island	0.47	0.40	0.33	0.25	0.04	.....	.....	5	1.47	1.47	3.12	6.88	6.88
		Tamluk	.....	1.00	0.10	0.20	.....	.....	.....	3	1.30	2.30	4.34	6.88	6.88
	24-Pargunnah	Midnapore	.....	0.22	0.64	0.00	.....	.....	.....	3	1.45	1.45	4.54	6.88	6.88
		Ghatol	.....	0.22	0.39	0.18	.....	.....	.....	3	0.79	4.01	5.72	6.87	7.47
		Harop	.....	0.34	.....	0.10	0.33	.....	.....	3	0.57	1.05	?	6.18	?
		Heria	.....	.....	0.05	0.15	0.10	.....	0.12	4	1.88	1.94	?	6.17	?
		Bhagwanpore	.....	.....	0.65	0.40	0.07	.....	.....	3	1.19	1.19	?	6.45	?
	Howrah	Garbela	.....	.....	0.74	0.50	.....	.....	.....	3	1.24	1.44	?	6.47	?
		Diamond Har- bour	.....	0.51	0.23	0.25	0.40	.....	0.10	5	1.48	2.00	4.63	6.01	6.01
		Canning Town	0.23	0.56	0.43	0.23	0.51	.....	0.20	5	1.91	2.30	?	4.74	?
		Alipore Jail	0.04	0.74	0.20	0.18	0.30	.....	0.71	5	2.28	3.09	5.88	6.10	6.10
		Buttrickpore	.....	.....	0.40	0.28	0.34	0.18	0.98	5	2.78	3.44	6.40	6.82	6.82
Hooghly	Dum-Dum	.....	0.37	0.51	1.03	0.82	.....	.....	4	2.73	3.44	6.40	6.82	6.82	
	Barabanki	.....	0.28	0.19	0.40	0.40	.....	0.50	4	1.05	1.64	5.75	6.82	6.82	
	Buachhat	0.11	1.10	0.55	0.52	0.45	.....	1.23	6	4.34	4.04	6.33	7.37	10.12	
	Howrah	.....	0.37	0.25	0.14	0.51	.....	0.28	5	1.45	2.23	5.88	4.36	7.81	
	Mohesra	.....	0.28	0.42	0.27	0.15	.....	.....	4	1.10	2.23	4.08	5.33	7.70	
Bardham	Serampore	.....	0.12	0.33	0.52	0.08	.....	0.38	5	2.03	2.30	5.07	4.57	6.27	
	Hooghly	.....	0.28	0.14	0.31	0.35	1.26	3.02	6	6.44	7.57	4.95	6.27	7.05	
	Jehanabad	.....	0.48	.....	0.40	.....	.....	0.00	3	0.11	3.44	4.88	7.83	7.47	
	Bardham	.....	0.20	0.02	.....	0.18	0.02	0.25	4	0.43	1.08	5.57	6.83	7.20	
	Burdwan	.....	0.41	0.17	.....	0.12	0.10	0.10	4	0.82	1.14	5.53	6.74	6.10	
Bankura	Cuttack	.....	1.00	0.28	0.11	0.12	.....	0.40	5	2.77	0.43	5.09	10.77	6.27	
	Kanungpore	.....	0.10	0.27	.....	0.05	.....	0.05	3	1.20	2.47	3.77	7.26	6.25	
	Manik	.....	0.23	0.10	.....	0.44	.....	.....	3	0.88	1.07	?	6.68	?	
	Bankura	.....	0.08	0.05	0.40	.....	0.23	.....	4	1.06	2.70	4.96	6.12	7.00	
	Balishpore	.....	0.20	0.42	0.44	.....	0.41	.....	4	1.77	2.21	0.30	6.08	6.08	
SOUTH-EAST BENGAL.	Bardham	Maliara	.....	1.10	0.34	0.10	0.40	.....	.....	4	2.18	3.33	5.02	6.53	6.53
		Khatra	.....	0.63	0.08	0.10	0.10	.....	.....	4	0.80	2.28	5.53	6.53	6.53
		India	.....	0.43	0.08	0.08	0.08	.....	.....	3	1.25	1.60	?	6.77	?
		Kotalpore	.....	0.11	0.13	0.10	0.10	0.10	.....	3	0.87	1.07	?	6.53	?
		Anda	.....	0.50	.....	0.20	.....	.....	.....	2	0.70	1.60	?	6.53	?
	Bardham	Gangajalhati	.....	0.00	0.03	0.03	0.25	.....	.....	3	0.12	0.05	?	6.50	?
		Kasipore	.....	0.04	0.23	0.23	0.40	.....	.....	3	1.31	1.65	?	6.53	?
		Sonamukhi	.....	.....	0.23	.....	0.40	.....	.....	3	0.67	0.73	?	6.53	?
		Bardham	.....	0.31	0.41	.....	0.07	0.18	0.18	5	1.30	1.08	4.94	10.75	6.77
		Hatpore	.....	0.22	0.28	0.14	.....	0.04	.....	4	1.58	1.92	0.83	7.14	1.90
Nadua	Hatpore	.....	0.41	0.04	0.15	0.12	0.06	0.51	6	2.08	4.28	5.40	10.06	4.94	
	Bolpore	.....	0.41	0.04	0.17	.....	0.06	0.51	4	2.10	3.44	?	6.74	?	
	Nadua	.....	0.19	0.25	0.20	0.35	0.05	0.78	6	1.20	3.40	6.20	7.06	9.03	
	Kushinagar	.....	0.03	0.31	0.25	.....	0.08	0.08	4	3.18	5.47	6.10	12.00	7.81	
	Choudanga	.....	.....	1.84	0.15	0.30	.....	0.30	.....	3	2.31	3.70	9.07	0.30	3.31
Khoolna	Belurpore	.....	0.42	0.17	0.44	0.30	.....	.....	4	1.33	2.35	6.10	13.33	8.99	
	Koelton	.....	1.03	0.04	0.75	0.38	0.04	.....	6	3.31	5.66	7.05	11.44	11.03	
	Khoolna	.....	0.67	0.37	0.08	0.27	0.03	0.00	5	1.55	1.94	6.22	6.30	6.30	
	Bagurhat	.....	1.22	1.27	1.03	0.05	0.28	.....	5	4.44	5.12	6.13	11.30	10.17	
	Khoolna	.....	.....	0.03	0.23	0.23	0.18	.....	.....	3	4.39	5.55	7.23	6.67	10.17
Jamora	Narail	.....	0.59	0.42	0.05	0.21	0.02	0.31	5	2.03	1.84	7.68	6.10	10.73	
	Jamora	.....	1.28	1.59	0.13	0.55	.....	.....	4	3.45	5.09	6.27	6.10	11.55	
	Jamridah	.....	0.53	0.18	0.05	0.05	.....	.....	3	1.70	2.43	6.27	6.10	11.55	
	Magnorah	.....	0.65	0.44	0.15	0.20	0.04	0.41	4	1.20	4.18	6.75	6.10	11.55	
	Gongong	.....	0.44	0.22	.....	0.30	.....	0.43	4	2.03	5.02	6.33	7.61	9.48	
Moorshedabad	Kandi	.....	0.70	.....	0.32	1.40	.....	0.02	4	3.74	6.75	8.55	13.73	7.54	
	Berhampore	.....	0.38	0.10	0.25	.....	1.00	0.02	5	3.02	5.52	5.52	13.73	7.54	
	Lalbagh	.....	0.42	0.10	0.25	0.03	1.32	0.03	5	2.78	5.52	4.94	13.73	7.54	
	Amalgungo	.....	0.40	0.18	0.22	0.30	1.11	0.08	5	3.63	5.52	4.94	13.73	7.54	
	Sankarpore	.....	0.31	0.28	0.15	1.10	0.50	1.01	7	3.78	5.47	5.09	17.05	9.12	
SOUTH-EAST BENGAL.	Chittagong	Lalgola	.....	0.20	0.15	0.30	1.30	0.30	0.00	5	3.78	5.47	5.09	17.05	9.12
		Akhirganj	.....	0.41	0.23	0.75	0.40	1.25	0.30	5	3.74	5.47	5.09	17.05	9.12
		Patkabar	.....	0.41	0.23	0.75	0.40	1.25	0.30	5	3.74	5.47	5.09	17.05	9.12
		Chittagong	.....	0.15	0.03	0.07	0.04	1.31	1.48	6	5.70	15.53	18.67	16.10	24.66
		Chittagong	.....	0.11	0.10	0.34	0.04	1.48	.....	6	5.70	15.53	18.67	16.10	24.66
Chittagong R.R. Tracts.	Chittagong	.....	0.40	0.58	0.22	.....	.....	.....	6	5.70	15.53	18.67	16.10	24.66	
	Rangamati	.....	0.27	0.00	0.75	1.10	0.70	1.31	7	6.30	10.38	12.05	15.73	16.29	
	Kama	.....	1.14	.....	.....	.....	.....	.....	7	6.30	10.38	12.05	15.73	16.29	
	Hackergunge	Patuakhali	.....	0.06	0.23	.....	0.58	0.61	.....	4	2.84	5.74	14.10	7.38	10.77
	Porosopore	.....	0.48	.....	0.05	0.31	0.46	0.57	4	3.21	4.09	6.28	7.38	11.55	
SOUTH-EAST BENGAL.	Buraimi	Buraimi	.....	0.23	0.55	0.70	0.40	0.30	0.10	6	1.84	4.86	9.10	6.88	11.55
		Baola	.....	0.37	0.60	0.62	0.37	0.06	0.60	6	3.03	4.23	10.36	6.88	11.55

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 17th of June 1887—contd.

Meteorological division.	District.	Station.	Rainfall.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1887.	Average rainfall from 15th May to date.
			Saturday, 11th June.	Sunday, 12th June.	Monday, 13th June.	Tuesday, 14th June.	Wednesday, 15th June.	Thursday, 16th June.	Friday, 17th June.	Number of rainy days.	of rainfall week.				
PART BENGAL—General.	Mookbally ...	Goverdhatti Bungalow ...	0.04	0.20	0.79	1.03	0.62	1.83	5	3.58	4.34	?	4.00	?	
		Noakhelly ...	0.20	0.25	0.20	0.68	0.61	0.28	1.54	6	2.84	8.05	7.72	10.35	10.38
		Barishpore ...	0.23	0.06	0.31	0.68	0.65	0.72	1.55	6	3.21	7.92	7.92	10.35	10.38
	Farrukhpore ...	Madarihpore ...	0.15	0.50	0.22	0.67	0.14	0.40	2.08	6	3.84	8.05	7.72	10.35	10.38
		Farrukhpore ...	0.15	0.50	0.22	0.67	0.14	0.40	2.08	6	3.84	8.05	7.72	10.35	10.38
		Goalundo ...	0.15	0.50	0.22	0.67	0.14	0.40	2.08	6	3.84	8.05	7.72	10.35	10.38
	Dacca ...	Munshiganj ...	0.05	0.05	0.05	0.05	0.05	0.05	0.05	6	0.30	0.05	0.05	0.05	0.05
		Dacca ...	0.17	0.05	0.05	0.05	0.05	0.05	0.05	6	0.30	0.05	0.05	0.05	0.05
		Munshiganj ...	0.17	0.05	0.05	0.05	0.05	0.05	0.05	6	0.30	0.05	0.05	0.05	0.05
	Guj. Tipperah ...	Agartala ...	0.67	0.20	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Comilla ...	0.41	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Chandpur ...	0.30	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Barisal ...	0.14	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Ramchandrapore ...	0.37	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Nasirpur ...	0.37	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Daudkandi ...	0.37	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Kooba ...	0.31	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Lakshmi ...	0.31	0.05	0.05	0.05	0.05	0.05	0.05	6	0.21	8.06	12.00	8.06	12.00
		Kishoreganj ...	0.04	0.20	0.47	0.21	0.18	0.07	0.07	6	0.21	8.06	12.00	8.06	12.00
NORTH BENGAL.	Pubna ...	Pubna ...	0.40	0.12	0.64	0.18	0.18	0.18	0.18	6	0.64	3.77	6.07	10.73	10.73
		Sherpore ...	0.05	0.15	0.15	0.15	0.15	0.15	0.15	6	0.90	13.47	6.07	10.73	10.73
		Nowshilla ...	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6	0.12	1.46	0.02	1.46	0.02
	Hogra ...	Hogra ...	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6	0.12	1.46	0.02	1.46	0.02
		Nowshilla ...	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6	0.12	1.46	0.02	1.46	0.02
		Panchbibi ...	0.02	0.02	0.02	0.02	0.02	0.02	0.02	6	0.12	1.46	0.02	1.46	0.02
	Majumbari ...	Brasab ...	0.67	0.50	0.73	1.23	0.40	0.40	0.40	6	2.13	4.25	5.77	11.39	11.39
		Natore ...	0.67	0.50	0.73	1.23	0.40	0.40	0.40	6	2.13	4.25	5.77	11.39	11.39
		Lalpur ...	0.67	0.50	0.73	1.23	0.40	0.40	0.40	6	2.13	4.25	5.77	11.39	11.39
	Maidan ...	Maidan ...	0.40	0.12	0.64	0.18	0.18	0.18	0.18	6	0.64	3.77	6.07	10.73	10.73
		Chanchal ...	0.40	0.12	0.64	0.18	0.18	0.18	0.18	6	0.64	3.77	6.07	10.73	10.73
		Gajni ...	0.40	0.12	0.64	0.18	0.18	0.18	0.18	6	0.64	3.77	6.07	10.73	10.73
NORTH BENGAL.	Dinapore ...	Mohadepore ...	0.15	0.15	0.15	0.15	0.15	0.15	0.15	6	0.90	4.11	8.61	17.70	17.70
		Chunam ...	0.15	0.15	0.15	0.15	0.15	0.15	0.15	6	0.90	4.11	8.61	17.70	17.70
		Chunam ...	0.15	0.15	0.15	0.15	0.15	0.15	0.15	6	0.90	4.11	8.61	17.70	17.70
	Bakerganj ...	Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
	Bakerganj ...	Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
NORTH BENGAL.	Bakerganj ...	Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
	Bakerganj ...	Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
	Bakerganj ...	Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01
		Bakerganj ...	0.13	0.01	0.01	0.01	0.01	0.01	0.01	6	0.13	1.46	0.01	1.46	0.01



Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 17th of June 1887—*continued*.

Met-oro-logical Division.	District.	Station.	RAINFALL						Total		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 16th May 1887.	Average rainfall from 16th May to date.	
			Saturday, 11th June.	Sunday, 12th June.	Monday, 13th June.	Tuesday, 14th June.	Wednesday, 15th June.	Thursday, 16th June.	Friday, 17th June.	Number of rainy days.					of Rainfall inches.
NORTH BENGAL —continued.	Sardar	Copmangura	0.00	0.00	0.00	0.00	0.00	0.19	0.00	1	0.19	0.97	2.71	3.68	3.67
		Bowrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	1.98	2.89	4.78	4.78
SOUTH BENGAL	Shahabad	Chaurah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Buxa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Dohree	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Kinboobah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Kanwar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Arwah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Mohania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Surungabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Uya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Nomdab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Jahanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Arwah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Bandungar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Sheryhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Harjati	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Pakri Baran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	Patna	Patna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Dinapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Bonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Barh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Bokaro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Illes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	Muzaffar	Bogomari	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Moulvihar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Jamui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Gopri	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	South Bhagulpore.	Shikhar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Unmulpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Bhakra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Kolung	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	South Patnab.	Majumdar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Gudra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Pakur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Nya Doozka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Doozka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Doozka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Namda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Namda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
SOUTH PAS- PURA.	Hazaribagh	Pachamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		(Girid).	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Hazaribagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Bhadrakuta	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Mahadi Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Jharkhand Hills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chitra	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Karagaha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Karagaha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	Lehardunga	Lehardunga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Kauchi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Palasow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Palasow	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Balunat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Balunat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Hazaribagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Hazaribagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
	Singbhoom	Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	2.43	2.43	6.62	6.62
		Chyewana	0.00	0.0											

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-  
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE  
17TH OF JUNE 1887.**

At the close of the previous week a rather feeble cyclonic storm had formed in the northern half of the Bay, which was accompanied by a very well marked cyclonic circulation of winds. On the 10th the centre of the storm was probably to the west of the centre of the Bay, and apparently opposite the coast between Gopalpur and Vizagapatam. By the indraught towards this storm the progress of the monsoon winds over Bengal was checked, and rainfall at this time over the province was scanty. On Saturday, the 11th, there was a decidedly rapid fall of pressure at the west coast stations of the Bay in the neighbourhood of the storm, and at the same time wind velocities at Diamond Island and in the north of the Bay increased very decidedly, showing that the storm was gradually and rather considerably intensifying. Similar conditions prevailed on the Sunday: pressure fell again at the coast stations and became very low, and wind velocities increased in the rear of the storm, and at Diamond Island blew very strongly, and it is probable that on this day the storm was of considerable strength, and weather over the northern part of the Bay was squally, if not stormy. The storm was also drifting slowly in a westerly direction. It was thought desirable on this day to warn the ships proceeding down the River Hooghly of the existence of the storm, and on the afternoon signal No. 5 was hoisted, which signified the existence of a small cyclonic storm in the Bay, the centre of which would probably cross the coast to the south of False Point. On Monday, at 10 A.M., the centre of the storm was almost over the coast about midway between Gopalpur and Vizagapatam. During the Sunday night pressure at Gopalpur was about 29.3", showing that the storm was one of moderate intensity; but it must also be remembered that the centre of the storm was at least 80 miles from the nearest meteorological station, so that probably at its centre pressure was far lower than that recorded. As the storm was passing inland, the storm signals were lowered on the Monday afternoon. Fairly strong winds were recorded in connection with the storm, but, as stated above, the meteorological stations were too far away to give any good record of the actual intensity of the storm. The storm afterwards drifted into the Central Provinces and subsequently filled up.

The storm which had been previously deflecting the monsoon current away from Bengal having thus commenced to pass over the land on the Sunday and Monday, another advance of monsoon winds took place over Bengal, and most districts reported rainfall from the Sunday, though the rain did not reach Behar until Monday. The winds blowing over Bengal became almost normal in direction after the storm had advanced inland, and a strong southerly and south-easterly current was reported up till Thursday; on this day, however, a strong westerly element appeared in the wind directions over the province, and at most of the western and southern stations winds were south-westerly. This setting in of westerly winds was apparently due to the extension of the influence of the Bombay branch of the monsoon current, which at this time was blowing very strongly. The westerly current still continued strongly pronounced on Friday, the 17th. These westerly winds, in driving back the easterly, south-easterly, and southerly monsoon winds which had previously been blowing from the Bay of Bengal, caused a considerable amount of interaction or interference, and therefore probably of ascensional motion, and consequently conditions became favourable for heavy rainfall, particularly in the north and east of the province, and on the last two or three days of the week rainfall was extremely heavy at many of the stations in these districts.

**Pressure.**—The variations of pressure have to a great extent been governed by the existence and movement of the small storm above described, but after it had disappeared, and pressure had risen so as to fill up the depression, a general fall of pressure took place over Bengal for several days. Consequently, at many stations, pressure is again below the normal, though, on the other hand, at some of the northern stations which were uninfluenced by the depression, pressure has been slightly above the normal. The extreme variation from the normal, at those stations from which records have been received for the largest number of years, have been a defect of 0.044" at Gopalpur and of 0.050" at False Point, and an excess of 0.012" at Purneah and Durbhunga.

**Temperature.**—The variations of temperature have been comparatively small during the week, except at the beginning. The mean temperature of the whole of Bengal for this period has been 1.3° in defect of the normal, but while East and North Bengal show temperatures in excess of the normal, the remainder of the province has been in defect. The defect has been to a great extent confined to Chutia Nagpur, where it equals 4.6°, and to Behar, where it has been 2.5°.

**Rainfall.**—Has been fairly general and frequent almost throughout the week, but the falls have been in most instances light, except towards the close of the week and in the northern and eastern districts. North Bengal and North Behar have received a fall in excess of the normal, while all the other districts in Bengal have been in defect. North Bengal has received the largest fall, and this district averages 6.38 inches of rain falling on 5.0 days, while the normal for the period is 4.78 inches falling on 4.2 days. Compared with the normal the actual represents 133 per cent. North Behar has received the next largest fall of 3.90 inches on 3.1 days, while the normal for the period is 2.75 inches on 2.7 days. The fall has therefore been both larger in amount and more frequent,

the actual fall representing 142 per cent. of the normal. All other districts have received falls in defect. East Bengal has received 3.30 inches, while the normal is 5.36 inches, and thus the actual fall is only 61 per cent. of the normal. South-West Bengal has received 2.36 inches, the normal for the period being 2.85 inches, and the percentage being 83. South Behar has received 1.74 inches, while the normal is 2.05 inches, and the actual is thus 85 per cent. Orissa has received an average of 1.30 inches against the normal 1.96 inches, and the percentage becomes 66; while in Chutia Nagpur the average fall has only equalled 1.28 inches, while the normal is 2.50 inches, and the percentage of the normal is therefore only 51. Taking these districts as having an equal value, the general rainfall of the week has been 89 per cent. of the normal. Some decidedly heavy falls at certain stations have been recorded for the week. Cooch Behar has received 21.33 inches, Alipore Duar (Julpigori District) 18.88 inches, and Kurigram 15.01 inches, while the following stations have received falls of between 10 and 15 inches:—Rungpore, Bagdoura, Julpigori, Fallacotta, Dinhatta, Matabhanga, Buxa and Siligori. The three stations—Kurigram, Cooch Behar and Alipore Duar—also received more than 10 inches of rain in a single day on the 15th and 16th. It will therefore be seen that the Rungpore, Julpigori, Cooch Behar and Darjiling Hills districts have been centres of particularly heavy rainfall during the week.

In Assam rain fall has again been tolerably plentiful during the week; Dhubri has received 9.68 inches, Silchar 4.11 inches and Sibsagar 3.34 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 17th of June 1887:—

METEOROLOGICAL DIVISION.	TEMPERATURE.							RAINFALL.									
	Highest observed during week.		Lowest observed during week.		Averages for week.			Of week.			Rainy days.			Minimum of month.		Minimum 15th May 1887.	
	of highest of each day.	of lowest of each day.	of mean for each day.	Average mean of week above or below normal mean of week.	Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.			
Orissa	87.0	72.7	80.0	76.0	81.1	-0.8	1.30	1.00	-0.66	8.5	3.0	+0.3	1.44	5.71	8.17	5.61	
South-West Bengal	87.8	72.9	80.2	76.0	80.0	-1.0	2.30	2.83	-0.49	4.6	3.5	+1.1	3.67	5.75	8.68	8.35	
East Bengal	83.3	72.8	88.5	78.0	83.4	+1.0	3.80	5.35	-2.06	5.0	4.7	+0.3	6.28	10.96	10.02	15.60	
North Bengal	86.0	70.8	80.3	77.4	82.5	+0.6	6.08	6.78	+1.60	8.0	4.1	+0.8	11.29	12.00	23.44	14.60	
North Behar	88.0	73.6	81.5	78.2	84.0	-2.4	3.60	3.73	+1.16	3.1	2.7	+0.4	4.91	3.92	12.01	2.55	
South Behar	100.4	75.0	83.3	79.8	86.3	-2.5	1.74	2.05	-0.31	3.3	2.0	+0.7	2.10	2.05	10.01	4.14	
Orissa Nagpur	83.5	71.4	87.2	78.3	80.3	-4.0	1.28	2.50	-1.22	3.0	3.5	-0.5	2.77	5.60	5.84	5.15	
Assam	84.0	74.3	88.6	70.7	82.0	-0.2											

\* Chyebama not included.

METEOROLOGICAL OFFICE, BENGAL;  
The 21st June 1887.

A. PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 12th to 18th June 1887.

Year.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 29 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Exposure tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		inches.	°	°	°	°	°	inches.	°	%			Inches.	
June	12th	111.5	0.8	29.212	82.3	86.7	6.8	79.0	70.3	0.963	72.1	87	ENE and ESE	177	0.70	Cloudy, v. g. d. t. p. <
"	13th	135.0	0.5	29.339	81.9	85.4	8.2	77.2	79.0	0.953	77.9	87	ESE and SSE	163	0.20	Chiefly cloudy, v. g. d. t. p.
"	14th	143.0	3.7	29.561	82.7	87.8	10.5	77.3	79.2	0.952	77.7	85	SE and SSE	215	0.18	Chiefly cloudy, d. p.
"	15th	153.5	8.0	29.649	83.8	89.5	11.1	78.4	79.9	0.974	78.4	85	SSW and S	253	0.34	Chiefly cloudy, v. g. d. t. p.
"	16th	154.0	7.4	29.617	80.1	93.7	12.5	81.2	81.0	0.990	78.9	80	SSW, WSW and variable.	231	0.73	Chiefly cloudy, v. g. d. t. p. <
"	17th	143.5	2.2	29.477	85.3	92.6	14.4	78.2	80.3	0.968	78.2	80	SW by W and variable.	153	0.07	Chiefly cloudy, v. g. d.
"	18th	140.0	1.4	29.501	81.4	87.5	11.3	76.2	77.8	0.907	76.3	83	SE and WSW	104	0.03	Chiefly cloudy, v. g. d.

The mean pressure of the seven days ... 29.522  
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.535

The total number of hours of bright sunshine ... 24.0  
The maximum possible number of hours of sunshine ... 94.2

The mean temperature of the seven days ... 83.3  
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 84.5  
The extreme variation of temperature ... 17.5  
The maximum temperature ... 93.7

The highest velocity of the wind in one hour ... 18

The highest pressure of wind on one square foot ... 5

The mean relative humidity ... 84  
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 83

The total fall of rain from 12th to 18th June 1887 ... 2.34  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 3.51  
The total fall from 1st January to 18th June 1887 ... 13.86  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 16.42

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 8h, 10h, 16h and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables compiled in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Buckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, d drizzling rain, t thunder, p passing temporary showers, < lightning.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India,

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 20th June 1887.

**Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 12th to 18th June 1887.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
June	12th	81.2	87.9	10.6	78.3	79.4	.981	78.5	92	0.25
"	13th	81.2	88.0	10.4	77.6	79.9	1.008	79.2	93	0.23
"	14th	80.3	80.3	13.1	77.2	79.0	.975	78.5	94	0.18
"	15th	83.3	91.6	19.0	78.6	80.1	.985	78.8	94	0.54
"	16th	87.0	97.0	15.7	81.8	82.2	1.036	80.8	81	0.01
"	17th	86.0	95.0	10.3	78.7	81.6	1.020	79.8	82	0.92
"	18th	80.9	94.7	17.7	77.0	79.5	.989	78.0	93	0.16

The mean temperature of the seven days

The extreme variation of temperature

The maximum temperature

The mean relative humidity

The total fall of rain from 12th to 18th June 1887

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

The 20th June 1887.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

## MEMORANDUM.

The following is a summary of the main facts connected with the vital statistics of the principal Municipalities in Bengal for the week ending 4th June 1887, as deduced from the annexed table:—

1. That during the week in question births and deaths were registered in the proportions, respectively, of 15.9 and 19.8 per 1,000 of population, as opposed to 14.1 and 21 per 1,000, respectively, during the preceding week ending 28th May, indicating an improvement in the registration of births against a falling off in that of deaths.

2. That the undermentioned Municipalities returned the highest proportions of births and deaths:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Beaulah	...	36.8	Gya	...	38.8
Chittagong	...	32.9	Serampore	...	35.3
			Suburbs of Calcutta	...	30.4

3. That the casualty-rates from the principal diseases specified below, exhibit no noticeable variations in comparison with the death-rates from the same diseases in the preceding week:—

					Ratio per mille during the weeks ending—	
					4th June 1887.	28th May 1887.
Cholera	...	...	...	...	2.3	2.4
Small-pox	...	...	...	...	1	2
Fever	...	...	...	...	8.5	7.9
Bowel-complaints	...	...	...	...	2.4	2.9
Injury	...	...	...	...	2	1
Other causes	...	...	...	...	6.3	7.2

4. That cholera and the maladies returned under the head of "Other causes" proved most fatal in the following Municipalities, the rest of the diseases abovenamed not exhibiting any noticeable local severity:—

Cholera.			Other causes.		
		Ratio per mille.			Ratio per mille.
Suburbs of Calcutta	...	5.0	Gya	...	19.4
Patna	...	4.2	Serampore	...	15.7
Gya	...	4.1	Beaulah	...	13.1
			Suburbs of Calcutta	...	10.1

5. That in relation to Sex, Class and Age, the mortality of the week is found to have been distributed as follows:—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	20.8	Christians	...	30.4	Under 1 year	...	186.9
Females	...	18.7	Hindus	...	20.5	1 and under 5 years	...	38.2
Ratio of male deaths to every 100 female deaths	126		Mahomedans	...	18.0	5 " " 10 "	...	11.9
						10 " " 15 "	...	6.4
						15 " " 20 "	...	19.6
						20 " " 30 "	...	9.4
						30 " " 40 "	...	13.9
						40 " " 50 "	...	15.0
						50 " " 60 "	...	22.9
						60 years and upwards	...	35.5

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

The 20th June 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 4th June 1887.

[illegible]





## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	274,135	2,50,709 0 0	24,11,723 0	6,22,238 3 0	18,724 8 0	2,04,652 4 0	64,231 1	116,653 1	180,884 2
Or per mile of railway ...	180 0 0	165 0 0	15,874 0	414 8 11	12 5 4	605 0 8	42 7 1	77 0 1	119 7 2
For previous 22 weeks of half-year ...	5,712,030	53,82,407 8 0	6,07,01,233 20	1,52,20,360 12 3	4,19,181 0 4	2,20,30,840 3 7	1,428,026	2,547,374 1	3,975,400 1
Total for 23 weeks ...	5,986,165	56,33,116 15 0	6,37,02,956 10	1,58,58,409 0 3	4,37,915 8 4	2,22,35,631 7 7	1,492,257 1	2,664,027 1	4,156,284 2
COMPARISON.									
Total for corresponding week of previous year ...	277,581	2,55,732 3 8	23,41,811 30	7,08,520 4 8	18,674 11 7	2,77,035 8 9	65,372	121,917	187,289
Per mile of railway corresponding week of previous year ...	180 0 0	168 12 0	15,874 0	461 6 0	12 5 8	642 8 7	43 7 1	81 0 1	121 8 2
Total to corresponding date of previous year ...	5,073,124	48,58,057 3 4	6,65,80,020 36	1,60,80,178 18 0	4,08,710 0 3	2,30,43,920 3 3	1,580,407	2,767,329	4,347,736

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11th JUNE 1886.			RECEIPTS FOR WEEK ENDING 11th JUNE 1887.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 11th JUNE 1886.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 11th JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,515	Rs. 9,77,034	645	1,510	Rs. 9,84,692	652	1,515	Rs. 1,06,33,370	7,019	1,510	Rs. 1,01,11,700	6,722	Rs. ....	4,22,670

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 574 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	12,007	5,533 3 0	40,774 0	2,910 10 0	31 12 0	5,565 0 0	1,000	1,000	2,000
Or per mile of railway ...	209 0 0	96 12 8	708 0	51 8 7	0 8 10	145 11 2	174 0 0	174 0 0	348 0 0
For previous 22 weeks of half-year ...	310,000	1,60,800 12 0	13,03,975 30	70,229 10 0	1,775 4 8	2,39,196 11 0	50,092	20,400	70,492
Total for 23 weeks ...	322,007	1,66,333 12 0	13,44,749 30	73,139 4 0	1,806 0 8	2,40,002 4 8	51,092	21,400	72,492
COMPARISON.									
Total for corresponding week of previous year ...	12,602	5,601 8 3	37,418 20	—470 6 0	23 2 3	5,134 1 6	1,064	1,132	2,196
Per mile of railway corresponding week of previous year ...	220	97 14 0	654 10	—8 3 7	0 0 0	90 1 8	184 0 0	184 0 0	368 0 0
Total to corresponding date of previous year ...	305,604	1,57,322 4 11	12,91,348 10	80,804 0 0	1,105 13 6	2,50,292 8 0	49,528	21,033	70,561

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11th JUNE 1886.			RECEIPTS FOR WEEK ENDING 11th JUNE 1887.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 11th JUNE 1886.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 11th JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
574	Rs. 8,200	143	574	Rs. 8,200	143	574	Rs. 1,02,822	1,851	574	Rs. 98,730	1,723	Rs. ....	2,120

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	5,700	645 8 0	11,579 0	340 15 0	9 9 0	1,065 14 0	1906	204	4034
Or per mile of railway	.....	53 13 10	.....	28 2 7	0 12 9	88 13 2	.....	.....	.....
For previous 22 weeks of half-year	68,790	11,548 14 0	4,30,657 20	12,150 2 0	180 9 6	24,018 0 0	7,1146	3,813	10,9276
Total for 23 weeks	72,045	12,105 4 0	4,42,236 20	12,490 1 0	190 5 6	25,024 7 0	7,304	4,107	11,421
COMPARISON.									
Total for corresponding week of previous year	3,444	580 0 4	17,076 10	185 2 0	17 11 0	1,403 7 1	238	255	493
Per mile of railway corresponding week of previous year	.....	48 0 1	.....	74 0 6	1 7 8	124 7 3	.....	.....	.....
Total to corresponding date of previous year	67,497	11,548 10 7	7,39,848 10	14,340 2 0	1,032 11 0	20,920 4 1	6,594	6,763	13,357

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
12	Rs. 1,493	Rs. 124	12	Rs. 1,090	Rs. 84	13	Rs. 14,722	Rs. 1,227	12	Rs. 12,243	Rs. 1,018	.....	Rs. 2,500

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 74 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	6,643	6,394 9 0	1,05,425 10	3,278 15 0	126 6 0	9,001 8 0	078	1,260	1,348
Or per mile of railway	.....	72 0 7	.....	43 13 8	1 10 7	121 8 8	.....	.....	.....
For previous 22 weeks of half-year	133,508	1,02,470 9 0	22,08,579 20	28,730 5 0	2,790 12 0	2,03,732 11 3	10,3004	28,8462	48,2066
Total for 23 weeks	140,011	1,07,863 12 0	22,70,700 0	1,02,360 4 0	2,670 2 0	2,12,944 3 3	17,0301	28,1124	45,1522
COMPARISON.									
Total for corresponding week of previous year	5,354	3,000 7 2	90,783 20	3,540 4 0	70 7 0	7,578 2 2	651	1,000	2,816
Per mile of railway corresponding week of previous year	.....	53 7 0	.....	40 14 0	0 15 1	101 4 7	.....	.....	.....
Total to corresponding date of previous year	132,681	1,02,415 0 0	18,90,177 20	88,788 14 0	2,355 10 0	1,85,567 14 0	24,749	28,424	53,173

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
74	Rs. 7,270	Rs. 101	74	Rs. 4,002	Rs. 122	74	Rs. 78,750	Rs. 1,053	74	Rs. 61,527	Rs. 1,224	Rs. 12,777	.....

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 32½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	18,145	4,728 0 0	8,075 0	540 15 0	12 0 0	5,067 15 0	904	64	968
Or per mile of railway ...	...	215 5 7	...	14 8 10	0 8 8	227 5 3	...	...	...
For previous 22 weeks of half-year ...	453,254	1,10,970 2 0	1,80,560 30	6,419 10 0	188 15 0	1,40,549 11 0	20,800	1,030	21,830
Total for 23 weeks ...	471,399	1,24,092 2 0	1,94,614 30	6,756 7 0	170 15 0	1,51,001 8 0	21,704	1,094	22,798
COMPARISON.									
Total for corresponding week of previous year ...	22,114	6,395 10 4	6,800 10	230 1 0	16 7 3	6,134 2 5	923	42	965
Per mile of railway corresponding week of previous year ...	...	261 14 2	...	10 5 5	0 7 6	275 11 1	...	...	...
Total to corresponding date of previous year ...	475,631	1,26,384 14 3	2,42,198 0	8,414 5 0	168 0 3	1,34,885 3 5	23,158	2,671	25,829

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 12TH JUNE 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.		Total increase in 1887.		Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
22½	5,134	270	22½	5,068	227	22½	62,097	22½	61,048	2,744	...	1,040

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,791	1,261 1 3	35,389 20	2,225 14 0	27 9 0	3,512 6 8	195	521	716
Or per mile of railway ...	...	29 14 6	...	53 1 1	0 19 6	83 10 1	...	...	...
For previous 22 weeks of half-year ...	62,100	28,588 1 8	11,12,290 10	68,180 8 0	685 14 3	69,463 7 6	4,187	18,117	17,304
Total for 23 weeks ...	64,891	29,844 2 0	11,47,680 30	71,416 6 0	713 7 3	1,01,975 15 9	4,380	18,638	19,018
COMPARISON.									
Total for corresponding week of previous year ...	2,324	1,444 0 10	11,185 0	1,655 1 0	17 15 0	3,097 5 10	340	540	880
Per mile of railway corresponding week of previous year ...	...	34 0 8	...	39 3 9	0 6 10	71 6 10	...	...	...
Total to corresponding date of previous year ...	20,264	11,846 12 7	1,61,448 0	19,808 4 2	225 8 8	24,870 0 1	3,343	2,769	6,112

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 12TH JUNE 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.		Total increase in 1887.		Total decrease in 1886.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
42	2,097	71	42	2,513	54	42	24,869	42	45,897	1,061	20,826	...

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on per mile of railway	23,000	Rs. A. P. 9,000 0 0	Mds. 8. 50,000 0	Rs. A. P. 1,000 0 0	Rs. A. P. 50 0 0	Rs. A. P. 11,050 0 0	5,750	1,425	5,210
For previous 22 weeks of half-year	588,471	1,05,882 0 0	9,01,434 0	58,282 0 0	1,041 0 0	2,60,295 0 0	84,136	21,707	1,18,102
Total for 23 weeks	593,471	2,05,882 0 0	9,51,434 0	60,282 0 0	1,091 0 0	2,67,225 0 0	87,922	23,191	1,23,113
COMPARISON.									
Corresponding week of previous year	35,000	18,402 0 0*	33,553 0	1,025 0 0	43 0 0	20,123 0 0	4,044	1,324	5,369
Per mile of railway, corresponding week of previous year	280	148 0 0	104 0	13 0 0	—	161 0 0	—	—	—
Total to corresponding date of previous year	854,029	1,08,997 0 0	9,41,805 0	50,040 0 0	687 0 0	2,12,380 0 0	90,395	21,211	1,21,000

\* Increase due to Dargachowdhur festival.

† Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.			
	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
125	80,190	161	11,500	93	125	1,20,997	97	124	1,24,944	100		2,947	—

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 11th June 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 240 miles open	41,406	Rs. A. P. 14,122 0 0	Mds. 8. 1,04,061 0	Rs. A. P. 17,371 0 0	Rs. A. P. 3,591 0 0	Rs. A. P. 35,083 0 0	5,085	7,517	15,208
Per mile of railway	168	50 11 0	783 0	70 12 0	15 0 0	120 7 0*	—	—	—
For previous 22 weeks of half-year	817,750	3,34,624 0 0	36,70,814 0	3,65,317 0 0	70,440 0 0	7,59,431 0 0	174,521	131,250	250,120
Total for 23 weeks	864,156	3,55,745 0 0	38,74,005 0	3,81,088 0 0	74,081 0 0	7,94,614 0 0	190,500	148,610	290,322
COMPARISON.									
Total for corresponding week of previous year on 240 miles open	42,809†	15,421 0 0	1,71,706 10	18,740 4 0	10,385 14 10	41,553 0 10	5,250	5,551	10,801
Per mile of railway, corresponding week of previous year	178	62 11 0	608 0	78 5 0	28 7 0	167 5 0*	—	—	—
Total to corresponding date of previous year	918,702	2,13,400 12 10	31,70,358 20	3,12,618 9 11	77,447 5 3	6,83,352 12 2	111,047	117,539	226,626

\* Mean-foot earnings included in calculating "Total earnings per mile of railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.			
	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
246	44,554	181	30,625	141	246	2,53,454	1,437	249	2,81,482	1,632		28,018	—

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 11th June 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES ETC.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,033	1,345 9 2 <sup>0</sup>	8,108 20	447 1 0	10 15 9	1,880 9 10	503	254	757
Or per mile of railway ...	112	45 11 0	298 0	16 4 0	0 0 0	68 5 0	...	...	...
For previous 23 weeks of half-year ...	60,443	21,065 6 10	2,75,440 20	10,100 15 0	545 1 4	61,801 7 2	11,370	7,420	18,790
Total for 23 weeks ...	60,409	26,342 0 0	2,81,803 0	10,604 0 0	534 0 0	63,502 0 0	11,370	7,674	19,044
COMPARISON.									
Total for corresponding week of previous year ...	4,345	2,947 10 8	4,405 10	511 14 0	8 10 0	3,768 6 8	613	263	876
Per mile of railway corresponding week of previous year ...	156	82 8 0	228 0	18 12 0	0 5 0	137 0 0	...	...	...
Total to corresponding date of previous year ...	51,163	24,904 7 8	2,84,467 20	12,983 2 8	273 0 5	26,448 0 8	12,561	8,242	20,803

\* There was an unusual increase of passenger traffic during the corresponding week of previous year. Hence the present decrease.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

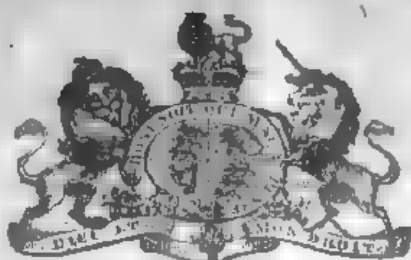
RECEIPTS FOR WEEK ENDING 15TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 15TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
27½	Rs. 2,709	Rs. 102	27½	Rs. 1,700	Rs. 62	27½	Rs. 15,603	Rs. 460	27½	Rs. 12,541	Rs. 721	Rs. 749	...

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 4th June 1887	...	...	...	Rs. 9,202
Corresponding week last year	...	...	...	10,739
Decrease	...	...	...	1,537
Receipts from 1st January to 4th June 1887	...	...	...	1,71,480
From 1st January to 5th June 1886	...	...	...	1,99,510
Decrease	...	...	...	28,030
Miles open, week ending 4th June 1887	...	...	...	Miles. 51
Corresponding week last year	...	...	...	50½
Increase	...	...	...	½
Receipts per mile open, week ending 4th June 1887	...	...	...	Rs. A. P. 180 6 11
Corresponding week last year	...	...	...	211 0 3
Decrease	...	...	...	30 9 4

CHIEF OFFICE, DARJEELING, the 11th June 1887.

W. STEVENSON, Secretary, D. H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 29, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## INTERNATIONAL EXHIBITION OF INDUSTRY, SCIENCE AND ART, GLASGOW, 1888.

Circular No. 9Ex.  
7A-22

*Extract from the Proceedings of the Government of India, in the Revenue and Agricultural Department (Museum—Exhibition),—under date Simla, the 20th June 1887.*

**READ**—The following despatch, with enclosures, from Her Majesty's Secretary of State for India, regarding the International Exhibition of Industry, Science, and Art, to be held in Glasgow during the summer of 1888.

No. 50, dated London, 28th April 1887.

From—Her Majesty's Secretary of State for India,

To—His Excellency the Right Honourable the Governor-General of India in Council.

I FORWARD herewith a copy of a letter, and its enclosure, from Sir Archibald Campbell-Campbell, Bart., M.P., and the Honourable the Lord-Provost of Glasgow, for the information of Your Excellency, and for such measures as you may see fit to take, with a view to give publicity to the proposal they announce for holding an International Exhibition at Glasgow during the summer of 1888.

No. 488, dated Glasgow, March 1887.

From—A. C. CAMPBELL, Esq., President, and the Hon'ble JAMES KING, Chairman, Executive Council, International Exhibition of Industry, Science, and Art, Glasgow.

To—Her Majesty's Secretary of State for India.

WE have the honour to inform Your Lordship that an International Exhibition of Industry, Science, and Art is to be held in Glasgow during the summer of 1888.

We enclose a list of the Executive Council, from which Your Lordship will see that the project is to be guided by the leading Noblemen and Gentlemen of Scotland, as well as by the most influential of the Citizens of Glasgow.

To show the interest taken in the proposed Exhibition, we may mention that the Guarantee Fund amounts to over £227,000, being larger than that raised by any previous Exhibition.

As Glasgow may be regarded as the Commercial Capital of Scotland, it is of the utmost importance that exhibits of Indian industries and arts should be collected for the information and education of the people.

Recognising the great advantages which would accrue to the Exhibition through the support of Her Majesty's Government, we beg most respectfully to bring it under Your Lordship's notice, in the hope that you may be pleased to take measures for having the Exhibition made known throughout the Indian Empire by the India Office.

# INTERNATIONAL EXHIBITION OF INDUSTRY, SCIENCE, AND ART, KELVINGROVE PARK, GLASGOW, 1888.

*Under the patronage of  
Her Most Gracious Majesty the Queen.*

T.R.H. DUKE AND DUCHESS OF EDINBURGH.  
H.R.H. DUCHESS OF ALBANY.  
T.R.H. PRINCE AND PRINCESS CHRISTIAN.  
H.R.H. DUKE OF CAMBRIDGE.

## *President :*

SIR ARCHIBALD C. CAMPBELL, OF BLYTHWOOD, BARONET, M.P.

*Chairman of Executive Council :*

THE HON. JAMES KING, LORD-PROVOST OF GLASGOW.

*Vice-Chairmen of Executive Council :*

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JOHN SHEARER.

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*Treasurer :*

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ALFRED BROWN.

*General Manager :*

H. A. HEDLEY.

TO PATENTEES.

PATENTS, DESIGNS, AND TRADE MARKS.

46 & 47 VIC., CAP. 57.]



[A.D. 1883.]

*An Act to amend and Consolidate the Law relating to Patents for Inventions, Registration of Designs, and of Trade Marks.*

## PART II.—PATENTS.

39. The Exhibition of an invention at an Industrial or International Exhibition

Exhibition at Industrial or International Exhibition not to prejudice patent rights.

certified as such by the Board of Trade, or the publication of any description of the invention during the period of the holding of the

Exhibition, or the use of the invention for the purpose of the Exhibition in the place where the Exhibition is held, or the use of the invention during the period of the holding of the Exhibition by any person elsewhere without the privity or consent of the inventor, shall not prejudice the right of the inventor or his legal personal representative to apply for and obtain provisional protection and a patent in respect of the invention or the validity of any patent granted on the application, provided that both the following conditions are complied with, namely :—

- (a) The Exhibitor must, before exhibiting the invention, give the Comptroller the prescribed notice of his intention to do so; and
- (b) The application for a patent must be made before or within six months from the date of the opening of the Exhibition.

PART III.—DESIGNS.

57. The Exhibition, at an Industrial or International Exhibition, certified as such by the Board of Trade, or the Exhibition elsewhere during the period of the holding of the Exhibition, without the privity or consent of the proprietor, of a design, or of any article to which a design is applied, or the publication, during the holding of any such Exhibition, of a description of a design, shall not prevent the design from being registered or invalidate the registration thereof, provided that both the following conditions are complied with, namely:—

- (a) The Exhibitor must, before exhibiting the design or article, or publishing a description of the design, give the Comptroller the prescribed notice of his intention to do so; and
- (b) The application for registration must be made before or within six months from the date of the opening of the Exhibition.

*"Patents, Designs, and Trade Marks Act, 1883."*

"Upon the application of Mr. William M. Cunningham, of 27, St. Vincent Place, Glasgow, made to the Board of Trade on the Eleventh of March, 1887, the Board of Trade do hereby certify that the International Exhibition of Industry, Science, and Art proposed to be held in the year 1888 at Kelvingrove Park, Glasgow, is an International Exhibition.

"Signed by order of the Board of Trade this Fifteenth day of March, 1887.

"COURTENAY BOYLE,

*"Assistant Secretary, Board of Trade."*

PROSPECTUS.

It has been decided to hold an International Exhibition at Glasgow during the Summer of 1888, and Her Majesty the Queen has been graciously pleased to lend her Royal patronage to the undertaking.

The proposal has been taken up by the Nobility and Gentry of Scotland, and by the Citizens of Glasgow and other Towns, with such general approval that the Guarantee Fund already exceeds £235,000, and is still being increased.

The City of Glasgow is situated in the centre of the Chief Industries of Scotland, and has, including its suburbs, a population of 761,000, and including the surrounding districts and neighbouring towns, a population exceeding 1,500,000. Edinburgh and other centres of population are within one hour's journey, and Tourist routes to the Western Highlands radiate from Glasgow.

The objects of the Exhibition are to promote and foster Industry, Science, and Art, by inciting the inventive genius of our people to a still further development in Arts and Manufactures, and to stimulate Commercial Enterprise by inviting all Nations to exhibit their Products, both in the raw and finished state. Examples of the Manufactures by which Glasgow and the surrounding districts have become famous—Chemical, Iron, and other Mineral Products, Engineering, Shipbuilding, Electrical and Scientific Appliances, and Textile Fabrics—will be exhibited both in process of manufacture and in the finished state.

Similar and more varied Exhibits may be expected from other parts of Great Britain and from the Continent; whilst from America, India, the Canadian, Australian, Cape, and other Colonies, promises of substantial support have been received.

A Fine Art Section will form an important part of the Exhibition. For the accommodation of the Art Treasures and Historical Objects a special block of the building will be reserved; and the most ample precautions will be taken for the security of valuable property lent for the purposes of the Exhibition. A special Prospectus, Classification and series of Regulations will be issued for this Section.

Two Sections—viz., "The Women's Industries Section" and the "Artisan Section"—will be special features; and in connection with the former, Her Grace the Duchess of Abercorn is Convener for Ireland, the Right Hon'ble the Countess of Rosebery for England and Wales, and the Hon'ble Lady Campbell, of Blythswood, and Mrs. King for Scotland, the Colonies, and Foreign Countries.

The site which has been granted by the City Corporation for the Exhibition Buildings extends to 60 acres, and is one of exceptional beauty and convenience. It comprises the Western portion of the Kelvingrove Park and the slopes of Gilmohrhill, which are crowned by the University Buildings.

The Buildings which it is proposed to construct will cover about 10 acres, and will be erected according to plans prepared by eminent architects. The ornamental flower pots, pond, and fountains of the Kelvingrove Park will be included in the Exhibition Grounds, and the terraces in front of the University Buildings are well adapted for the effective



display of electric lighting and pyrotechnic illuminations, as well as for the enjoyment of musical promenades and other entertainments which it is intended to provide.

The River Kelvin, which intersects the grounds, will be available for the Exhibition of Naval Shipbuilding and Life-Saving Apparatus, either in motion or not. The reach of the river which can be utilised for this purpose has a length of 1,500 feet, a width of 90 feet, and a depth of 6 feet.

The situation of the Exhibition Buildings is specially convenient of access for Exhibitors, as by means of the lines of rails—which can be made use of at night for the passage of railway trucks, and which will, if possible, be carried into the Exhibition Grounds at more than one point—heavy goods can be delivered at a minimum cost and with the least possible amount of risk. In addition to this, the port of Glasgow offers a cheap and ready means for the delivery and redelivery of sea-borne goods.

It is intended to afford full postal, telephonic, telegraphic, and banking facilities within the Exhibition Buildings, so that all necessary business may be conducted by Exhibitors and others without leaving the premises.

The whole arrangements are in the hands of the Executive Council, which has been chosen from the General Council of Guarantors, and has for its Chairman the Hon. the Lord-Provost of Glasgow.

GLASGOW, April 1887.

*President :*

SIR ARCHIBALD CAMPBELL-CAMPBELL, of BLYTHSWOOD, BARONET, M.P.

*Vice-Presidents :*

HIS GRACE THE DUKE OF HAMILTON AND BRANDON, KT.

HIS GRACE THE DUKE OF ARGYLL, K.G., K.T.

HIS GRACE THE DUKE OF BuccLEUCH AND QUEENSBERRY, KT.

HIS GRACE THE DUKE OF MONTROSE, KT.

THE MOST NOBLE THE MARQUESS OF BUTE, KT., President of Fine Art Committee.

THE MOST HONOURABLE THE MARQUESS OF BREADALBANE.

THE MOST HONOURABLE THE MARQUESS OF LoTHIAN, KT., Secretary for Scotland.

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THE RIGHT HONOURABLE THE EARL OF ROSEBURY, Lord-Lieutenant of the Counties of Midlothian and Linlithgow.

THE RIGHT HONOURABLE THE EARL OF STAIR, KT., Lord-Lieutenant of the Counties of Wigtown and Ayr, and Chancellor of the University of Glasgow.

THE RIGHT HONOURABLE ARTHUR JAMES BALFOUR, of Whittinghame, M.P., Secretary for Ireland.

THE HONOURABLE JAMES KING, of Campsie, LL.D., Lord-Provost of the City of Glasgow.

THE RIGHT HONOURABLE THE LORD-PROVOST OF THE CITY OF EDINBURGH.

*Honorary Members of the Association :*

THE MOST HONOURABLE THE MARQUESS OF AILSA.

THE RIGHT HONOURABLE THE EARL OF ABERDEEN, LL.D., Lord-Lieutenant of Aberdeenshire.

THE RIGHT HONOURABLE THE EARL OF CATHCART.

THE RIGHT HONOURABLE THE EARL OF ELGIN AND KINCAIDINE, LL.D.

THE RIGHT HONOURABLE THE EARL OF FIKE, K.T., Lord-Lieutenant of the County of Elgin.

THE RIGHT HONOURABLE THE EARL OF GLASGOW, LL.D., Lord Clerk-Register of Scotland.

THE RIGHT HONOURABLE THE EARL OF KINCOULL.

THE RIGHT HONOURABLE THE EARL OF KINTORE.

THE RIGHT HONOURABLE THE EARL OF MAR.

THE RIGHT HONOURABLE THE EARL OF MAR AND KELLIE.

THE RIGHT HONOURABLE THE EARL OF MORTON.

THE RIGHT HONOURABLE THE EARL OF ROSSLYN.

THE RIGHT HONOURABLE THE EARL OF SEAFIELD.

THE RIGHT HONOURABLE THE EARL OF WEMYSS AND MARCH, LL.D.

THE RIGHT HONOURABLE THE LORD VISCOUNT STRATHALLAN.

THE RIGHT HONOURABLE THE LORD BALFOUR OF BURLEIGH.

THE RIGHT HONOURABLE THE LORD BELHAVEN AND STENTON.

THE RIGHT HONOURABLE THE LORD COLVILLE OF CULROSS, KT.

THE RIGHT HONOURABLE THE LORD FORBES.

THE RIGHT HONOURABLE THE LORD HAMILTON OF DALZELL.

THE RIGHT HONOURABLE THE LORD LAMINGTON.

THE RIGHT HONOURABLE THE LORD MONCRIEFF, LL.D.

THE RIGHT HONOURABLE THE LORD MACDONALD.

THE RIGHT HONOURABLE THE LORD GRAMMERS AND BROWNE.

THE RIGHT HONOURABLE JOHN INGLIS, of Glencorse, Lord Justice-General, and Lord-President of the Court of Session.

THE RIGHT HONOURABLE JOHN HAY ATHOLS MACDONALD, Q.C., C.B., LL.D., M.P., Lord-Advocate for Scotland.

JAMES PATRICK BANNERMAN ROBERTSON, Esquire, Q.C., M.P., Solicitor-General for Scotland.

THE RIGHT HON'BLE SIR JAMES FRUSSESON, Baronet, of Kilkerran, K.C.M.G., C.I.E., M.P.  
 SIR THOMAS EDWARD COLERBROOKE, Baronet, of Crawford, Lord-Lieutenant of the County of Lanark.  
 SIR MICHAEL ROBERT SHAW-STEWART, Baronet, of Greenock and Blackhall, Lord-Lieutenant of the County of Renfrew.  
 HUMPHREY EWING CRUM-EWING, Esquire, of Strathleven, Lord-Lieutenant of the County of Dumbarton.  
 SIR WINDHAM CARMICHAEL ARMSTRONG, Baronet, of Carmichael.  
 SIR ARCHIBALD ORR-EWING, Baronet, of Ballikimrain, M.P.  
 SIR CHARLES TENNANT, Baronet, of the Glen.  
 SIR JAMES BAIN, 3, Park Terrace, Glasgow.  
 SIR WILLIAM COLLINS, 3, Park Terrace, East, Glasgow.  
 SIR PETER COATS, of Auchendrain, Ayrshire.  
 SIR MICHAEL CONNELL, 16, Lynedoch Crescent, Glasgow.  
 SIR WILLIAM THOMSON, LL.D., D.C.L., The College, Glasgow.  
 SIR JAMES WATSON, 9, Woodside Terrace, Glasgow.  
 THE VERY REVEREND PRINCIPAL CAIRD, D.D., LL.D., The College, Glasgow.  
 WILLIAM WALLACE HOZIER, Esquire, of Mauldshe, Convener of the County of Lanark.  
 PATRICK BOYLE SMOLLETT, Esquire, of Bonhill, Convener of the County of Dumbarton.  
 ROBERT BERRY, Esquire, LL.D., Sheriff of the County of Lanark.  
 THE HON'BLE HENRY JAMES MONCRIEFF, Sheriff of the Counties Renfrew and Bute.  
 JOHN G. A. BAIRD, Esquire, of Muirkirk, M.P.  
 JAMES CALDWELL, Esquire, M.P.  
 CHARLES CAMERON, Esquire, M.D., LL.D., M.P.  
 JAMES A. CAMPBELL, Esquire, of Strathclyde, LL.D., M.P.  
 ARCHIBALD CAMERON CORBETT, Esquire, M.P.  
 DONALD CRAWFORD, Esquire, M.P.  
 R. B. CUNNINGHAM-GRAHAM, Esquire, of Ardach and Gartmore, M.P.  
 JAMES HOZIER, Esquire, Younger of Mauldshe, M.P.  
 STEPHEN MASON, Esquire, M.P.  
 WILLIAM PEARCE, Esquire, M.P.  
 A. D. PROVAND, Esquire, M.P.  
 EDWARD RICHARD RUSSELL, Esquire, M.P.  
 ALEXANDER CRAIG-SELLAR, Esquire, M.P.  
 M. H. SHAW-STEWART, Esquire, Younger of Ardgowan, M.P.  
 HUGH WATT, Esquire, M.P.  
 PETER CLOUSTON, Esquire, 1, Park Terrace, Glasgow.

*Regulations for Exhibitors.*

- |  |  |
|--|--|
| <p>Date.<br/>                 Her Majesty the Queen, will be held in Glasgow in 1888.</p> <p>Opening.<br/>                 six months.</p> <p>Objects.<br/>                 which must not be considered to be exhaustive.</p> | <p>1. AN INTERNATIONAL EXHIBITION OF INDUSTRY, SCIENCE, AND ART, under the patronage of</p> <p>2. The Exhibition will be opened early in May, and will continue open for a period of about</p> <p>3. The principal objects to be exhibited are comprised in the accompanying classification,</p> |
|--|--|
4. It is not intended to issue any Awards.
5. Charge will be made for space, except in special cases to be determined by the Executive Council. The charge for space inside the building will be 2s. per square foot, with a minimum charge of £2 10s. Whatever vacant space Exhibitors require around their Exhibits, beyond the usual passages, will have to be paid for, and Exhibitors requiring wall-space must mention the fact when making application, when they will be informed on what conditions it will be granted. Space in the grounds will be let at rates to be arranged by the Committee, but in such cases plans must accompany application, and all surface damage must be made good by the Exhibitor on removal. Payment to the extent of 25 per cent. of the amount payable must accompany the application, and the balance must be forwarded on receipt of the notice of allotment. In no case, however, can the deposit be less than the minimum charge of £2 10s. Exhibits will on no account be allowed to be placed unless payment has been arranged. Spaces not occupied seven days previously to the opening of the Exhibition will be otherwise allotted, and all payments made in respect thereof absolutely forfeited. Exhibitors will have to pay all expenses of conveying, delivering, arranging, fixing, and removing their Exhibits, and also the cost of the erection of all fixtures, screens, and counters when required; and they must personally, or by a representative, superintend the transmission, reception, unpacking, installation, and (at the close of the Exhibition) the removal of their goods. The Executive Council reserve to themselves the right of doing whatever may be considered necessary at the expense of the Exhibitor, unless this regulation is strictly complied with. Should any goods be deposited in the Exhibition premises during the absence of the Exhibitor or his representative, the

Executive Council will not be responsible for any loss or damage from whatsoever cause arising.

6. Motive power, gas and water will be supplied by the Executive Council free of charge within certain limits, and subject to certain regulations. Exhibitors requiring motive

power must fill up the special Application Form which has been prepared for this Section, and which will be supplied by the Secretary upon application. Exhibitors requiring Counter Scaffolding, Pulleys, and Belting must supply these at their own expense.

7. Schedules of application for space may be had from the Secretary, W. M. Cunningham, 27, St. Vincent Place, Glasgow. These

must be filled up and returned on or before 1st October 1887. The decision of the Space Committee will be notified as soon as possible after that date.

#### Nature of Exhibits.

Form of application for space.

#### Right to refuse Exhibits.

for so doing.

#### Foreign and Colonial Exhibits.

are invited to communicate with the Secretary. The Executive Council will place at their disposal all information and plans that may be useful to them.

#### Foreign Countries.

will correspond directly with the Secretary.


12. The Executive Council will endeavour to obtain from the various Railways and Carriers special terms for the conveyance of Exhibitors' goods to and from the Exhibition, and

#### Railway Rates.

these arrangements will be communicated to intending Exhibitors.

13. All packages containing goods for Exhibition must have painted on them the

#### Marks on Packages.

distinctive Mark  together with the

name and address of the Exhibitor, and the allotment number of the space. Labels for this purpose will be supplied to each Exhibitor.

14. Packages from Foreign Countries must likewise have painted on them the distinctive mark

#### Marks on Foreign Packages.



They must also be marked in such a way as to show distinctly the name of the Exhibitor and the country from whence they come, as well as the allotment number of the space.

15. No Case, Counter, Platform, Screen or Partition must (without special permission) exceed the following dimensions:—

Dimensions of Cases, &c.		
Show-cases and partitions	...	10 feet above the floor.
Counters	...	2 feet 6 inches above the floor.
Platforms	...	1 foot above the floor.

16. Exhibitors may erect Railings around their Stands, and provide Canopies, subject to approval; in every instance these Railings and Canopies must be within the area of the space

#### Railings and Canopies.

allotted. In the case of machinery in motion, it is imperative that it be sufficiently railed.

17. The Flooring must not be altered, removed, or strengthened, except by sanction of the Executive Council, and at the expense of the Exhibitor.

#### Flooring.

18. No Exhibitor will be permitted to display Exhibits in such a manner as to obstruct the light, or project beyond the space allotted, or impede the view along the open

#### Obstructions.

spaces, or occasion injury or inconvenience to other Exhibitors.

19. In order to insure uniformity of decoration, no Exhibitor will be allowed to put up flags, banners, or other kind of decorations without permission, and for covering counters,

#### Decorations.

screens, or partitions, a material will be selected, which may be bought by Exhibitors at the building.

20. Signs or Name-boards must be placed to the satisfaction of the Space Committee, and must in no case interfere with the lighting. They must be black, with gold letters.

#### Signboards.

21. All Hand-bills, Printed Matter, &c., connected with Exhibits, and intended for gratuitous distribution, must first receive the approval and authority of the Executive Council,

#### Hand-bills.

which permission may be withdrawn at any time.

22. Cases must be unpacked immediately on arrival, and the empty cases removed by the Exhibitors or their Agents. The Executive Council cannot accept any responsibility with reference to empty cases, which must be at once removed from the buildings at the expense of the Exhibitors. The Executive Council reserve to themselves the right of doing whatever may be considered necessary, at the expense of the Exhibitors, unless this rule is strictly complied with.
23. Exhibitors will be required to provide all necessary attendance, and to keep their Stands and Exhibits properly cleaned and in good order during the whole period of the Exhibition. The Executive Council reserve the right to impose a penalty for a breach of this regulation, and to order the removal of any Attendant whose behaviour they consider unseemly.
24. No Exhibitor will be allowed to transfer any portion of the space allotted to him, or to allow any other than his own duly-admitted Exhibits to be placed thereon except by permission of the Executive Council.
25. All goods must be exhibited in the name of the individual or Firm signing the Application Form.
26. Exhibitors are requested to mark the selling price of the articles exhibited for the information of visitors to whom they may explain their Exhibits; but they will in all cases be forbidden, unless special permission in writing has been obtained from the Executive Council, to invite or to allow visitors to purchase goods for removal at the time of purchase, the Exhibition being intended for the purpose of display. Orders can be taken within the Exhibition, but the goods must be delivered from establishments outside. Special Regulations will, however, be made with regard to perishable articles-manufactured in the Exhibition.
27. No Exhibit or part thereof can be removed before the close of the Exhibition without the special permission of the Executive Council. Exhibits not removed within fifteen days after the close of the Exhibition will be warehoused at the cost and risk of the owners, and whatever may remain after three months will be sold by auction, and the proceeds applied to defray expenses.
28. No goods will be received prior to March 1888 without special permission, nor after 20th April 1888; but prior arrangements may be made for Motors, Boilers, or any Exhibits requiring under-building.
29. Special care will be required by the Executive Council, who may make special regulations, in cases where Fire or Gas is used by Exhibitors, and a responsible officer will be appointed to carry out the injunctions of the Council in this respect. Exhibitors will require to effect their own assurance on their Exhibits.
30. No explosives, or any substances which, in the judgment of the Executive are dangerous, will be admitted, but they may be represented by models.
31. Spirits, oils, corrosive substances, and generally all substances which might spoil other articles or inconvenience the public, can only be exhibited in solid and suitable vessels.
32. The Executive Council reserve to themselves the right of examining or testing any of the Exhibits. If any damage or injury shall be occasioned during the Exhibition by any exhibited machine, implement or article, to any visitor or other person, then the Exhibitor to whom such machinery, implement, or article may belong, shall be responsible for in the first instance, and shall besides indemnify and hold harmless the said Council from or against all actions, suits, expenses, and claims on account or in respect of any such damage or injury which may be so caused.
33. No article exhibited may be copied, photographed, drawn, or reproduced in any manner without the special permission of the Exhibitor and of the Executive Council.
34. Passes to the Exhibition will be granted to Exhibitors and to a reasonable number of attendants. If these Passes be used by any but those to whom they are issued, they will be immediately cancelled.
35. The Executive Council reserve to themselves the sole right of compiling and printing a Catalogue of Exhibits, under Regulations which will be duly notified.
36. The right to alter, amend, add to, or cancel any of these Rules, is reserved by the Executive Council.

37. All who become Exhibitors shall be held by so doing to signify their compliance with the whole of these Regulations together with such other Regulations as the Executive Council may issue from time to time.
38. The Executive Council reserve the right to remove the Exhibits of any one who does not conform to the Regulations.
39. The Executive Council will not be responsible for loss or damage occurring from any cause whatsoever to any Exhibit or other property belonging to any Exhibitor or any other person.

*The following are the Headings of the Classification of Exhibits:—*

- Class I.—Agriculture, Horticulture, and Arboriculture.
- Class II.—Mining and Metallurgy; Minerals; Quarrying and Fuel.
- Class III.—Civil Engineering, Construction, and Architecture; Sanitary Appliances; Aeronautics.
- Class IV.—Naval Architecture and Engineering.
- Class V.—Prime Movers and means of Distributing their power; Railway plant.
- Class VI.—Machinery; Machine Tools; Hydraulic Machines, and Machines for Raising Heavy Weights; Elements of Machines; Furnaces.
- Class VII.—Road Carriages; Bicycles; Tricycles; Ambulance.
- Class VIII.—Cutlery and Ironmongery; Fire Arms; Military Weapons.
- Class IX.—Heating and Cooking Apparatus.
- Class X.—Gas and Illuminants (other than Electricity).
- Class XI.—Electricity.
- Class XII.—Chemistry and Apparatus, Processes, and Appliances connected with Applied Chemistry and Physics; Philosophical Instruments and Apparatus.
- Class XIII.—Food (including Drinks).
- Class XIV.—Textile Fabrics; Leather; India-Rubber and Gutta-Percha; Clothing.
- Class XV.—Paper; Printing; Book-binding and Stationery.
- Class XVI.—Furniture and Decoration; Fancy Goods.
- Class XVII.—Pottery and Glass.
- Class XVIII.—Jewellery; Clocks, Watches and other Time-keepers.
- Class XIX.—Fisheries.
- Class XX.—Education and Apparatus for Physical Training.
- Class XXI.—Music and Musical Instruments.
- Class XXII.—Fine Arts (including Photography, Engraving, &c.).
- Women's Industries Section.
- Artisan Section.

*In the Fine Arts Section, Women's Industries Section, and Artisan Section the space will be given free. In all the other Sections space will be charged for at the rate of 2s. per square foot.*

**READ ALSO—**The following Notification, dated the 22nd April 1887, issued by Messrs. Finlay, Muir & Co. on behalf of the Glasgow Exhibition Executive Council:—

*Glasgow International Exhibition.*

An International Exhibition will be opened at Glasgow in May 1888, for which specimens of art-exhibits will be received from private exhibitors.

2. Besides articles which will be displayed at the Exhibition during the whole time it is kept open, extra sets of art-manufactures will be accepted for sale and immediate delivery to purchasers. Stalls will be opened at the Exhibition for the sale of such articles. The price of articles sold either at the Exhibition or in the stalls will be at once realised and remitted to the exhibitors in India every week or fortnight as it may be found convenient.

3. Articles of inferior workmanship, or articles on which an undue price has been put, will not be accepted.

4. Applications for space should be made in the accompanying form before the 1st of July next. If the exhibits are approved, space will be given free.

5. The Exhibition authorities undertake to pay freight of such exhibits from Calcutta, Bombay, or Madras to Glasgow, and the same of unsold articles returned from Glasgow to the abovementioned ports. Inland freight in India must be borne by the exhibitor.

6. All exhibits must be despatched from India before the 1st of January 1888.

7. The authorities of the Glasgow International Exhibition have, with the permission of the Government of India and the Trustees of the Indian Museum, entrusted the general arrangements of the Indian section of this Exhibition to Mr. T. N. Mukharji, F.R.S., Assistant Curator, Economic and Art Museum, Calcutta, and the collection of exhibits from the different provinces of India, except Madras and Bombay, Committees having been appointed to look after the representation of these presidencies.

For the whole of India the entire working of the following departments has been left in the hands of Mr. Mukharji :—

Products (raw, &c., native shops, &c.).  
Ethnology (Types, Models, &c.).  
Tea, Coffee, and Cigar rooms.

3. The following are the Committees :—

*For Madras—*

Dr. G. Bidie, M.B., F.L.S., C.I.B., Surgeon-General with the Government of Madras.  
Dr. E. Thurston, L.R.C.P., L.R.C.S.E., Superintendent, Central Museum.  
Mr. E. B. Havell, Principal, School of Art.  
Mr. G. Jackson, of Messrs. Gordon, Woodroffe & Co., to whom all communications should be addressed.

*For Bombay—*

Hon'ble Forbes Adam (Chairman).  
Sir Jamsetjee Jeejeebhoy.  
Mr. Jairazbhoy Peerbhoy.  
" Varjeevundass Madhawdass.  
Hon'ble S. D. Sassoon.  
Mr. E. Greenwood, Principal, School of Art.  
" J. Littleton Symons, Messrs. } to either of whom all communications should  
" Finlay, Muir & Co. } be addressed.  
" A. Arthur.

*For N.-W. Provinces and Oudh—*

Mr. A. H. Pirie, Secretary, Provincial Museum, Lucknow.  
Baboo Gungadhar Ganguli, Assistant Curator, Provincial Museum, Lucknow.

*For Jaipur and Rajputana—*

Surgeon-Major T. H. Hendley.

*For Bengal and the North-West.*—All communications should be addressed to Mr. T. N. Mukharji, F.L.S., Assistant Curator, Economic and Art Museum, Calcutta, or to Mr. R. Williamson, of Messrs. Finlay, Muir & Co., Calcutta, who, with Sir Edward Bock, Secretary to the Government of India as Chairman, will form a Committee for Bengal.

On behalf of the Glasgow Exhibition Executive Council.

FINLAY, MUIR & Co.

Calcutta, 22nd April 1887.

GLASGOW INTERNATIONAL EXHIBITION.

*Form of Application for Space.*

Name of Exhibitor.	Address.	Details of Exhibits.	Prices.	Space required.	Remarks.

ORDER.—Ordered that the above papers be published in the Supplement to the *Gazette of India* for general information, and that a copy be sent to the Local Governments and Administrations noted on the margin for information, with the request that the papers may be published in the Local Gazette.

Government of Madras.	
" Bombay.	
" Bengal.	
" North-Western Provinces and Oudh.	
" Punjab.	
Chief Commissioner of the Central Provinces.	
" " "	Burma.
" " "	Assam.
" " "	Cooch.
Resident at Hyderabad.	

Ordered also that a copy be forwarded to the Chief Commissioner of Ajmere and Merwara for information, and to the Foreign Department for information and communication to Native States.

W. B. LAWRENCE,

*For Secretary to the Government of India.*



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 25th June 1887.

No.	District and date of return.	Rainfall at Sadler station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
SUNDERBANDS DIV.	1. Sundarban June 25, '87	1.85	Weather—seasonable, though sultry. Prospects of crops good. Common rice about 23 seers per rupee. Public health good.
	Culina	1.87	
	Cutwa	1.28	
	2. Ranagunge „ 25, '87	2.27	Weather—seasonable. Transplanting of paddy has commenced in places in the Bishenpore sub-division. Seedlings doing well. Rain much wanted. Public health good.
	Bishenpore	2.65	
	3. Beerbhoom „ 25, „	2.27	A break in the rains. Weather sultry at noon, but cool at night. Heavy rain fell throughout the district during the early part of the week and was of great service in permitting the transplantation of <i>amam</i> paddy to be completed. Young rice is coming up well. Sugarcane is a promising crop. Public health excellent. Prices of food-grains rising, owing to the rainfall interfering with transport.
	Rampore Haut	5.08	
	4. Midnapore „ 25, '87	2.95	Weather—seasonable. State and prospect of crops excellent.
	5. Hooghly „ 25, „	2.81	
	Serampur	2.54	Weather—rather drier than usual. All crops and agricultural operations are going on well. Public health good.
	Jehanabad	1.08	
PARTURIST DIV.	6. Howrah „ 25, „	1.54	Weather—rain early in week, latterly sultry. Break in rains. <i>Amam</i> rice is being planted out. Crops growing well.
	Oolocheriah	0.78	
	<i>Central Districts.</i>		Weather—hot and cloudy with occasional showers. Prospects of crops satisfactory. Public health good.
	7. 24-Pargana June 25, '87	2.21	
	8. Nadia „ 25, „	2.43	Weather—cloudy and showery; fairly cool for midsummer. <i>Amam</i> rice, indigo, jute and sugarcane all doing well. Lands are being got ready for <i>amam</i> . Public health good. Some cow-pox. Rivers rising.
	Kushtia	1.19	
	Mohorpur	2.44	Weather—wet and close. Ploughing continues. <i>Amam</i> rice is growing satisfactorily. Public health good.
	Chandanga	1.42	
	Ranaghat	2.38	Weather—sultry. Paddy doing well. In the Narail sub-division rivers now rising slowly. Public health good.
	9. Khosla „ 25, '87	1.24	
RAJSHAH DIV.	10. Jessore „ 25, „	2.55	Weather—very hot; cloudy at intervals. <i>Amam</i> paddy is still being sown. Jute and sugarcane progressing. Public health good.
	Jhenidah	6.21	
	Magurah	2.89	Heavy and continuous rain. Heavy rain and floods have caused some damage to <i>khajol</i> and jute crops. <i>Haimanti</i> is being sown.
	Narail	2.06	
	Bongong	1.45	Weather—cloudy. Harvesting of <i>sil</i> has commenced. <i>Amam</i> and <i>amam</i> paddy, jute and sugarcane doing fairly well. Public health generally good.
	11. Moorshedabad „ 25, '87	2.16	
	Lalbagh	2.90	Crops generally good except in low lands, where <i>amam</i> and jute crops suffered to some extent. Health of the district improving.
	Kandi	4.09	
	Jungipor	5.08	Weather—cloudy with heavy rain during every day except 24th and 25th, at times very close and warm. Ploughing for <i>amam</i> still going on and sowings have already commenced. Heavy rain has done considerable damage to crops. Public health fair.
	12. Dinapore „ 25, '87	12.88	
RAJSHAH DIV.	13. Thakurgaon „ 25, '87	16.57	Reasonable rain. Prospects of crops good. General health good. Rivers rising rapidly.
	Rajshahi	5.20	
	Natore	3.92	Weather—seasonable. State and prospects of crops fair.
	Nowgong	7.44	
	14. Rangpur „ 25, „	9.11	Heavy and continuous rain during the greater part of the week. Slight break towards the end. All crops have suffered more or less from too much rain. Jute is not a good crop, and the early rice has also suffered, but not seriously. Cholera has abated and in places has disappeared.
	Gaibanda	8.74	
	Nilphamari	13.12	Report not received
	Kurigram	18.08	
	15. Bogra „ 25, '87	4.40	Weather—seasonable. State and prospects of crops good. Public health good.
	Sherpur	5.20	
DACA DIVISION.	16. Nowkhilla „ 25, '87	5.13	Weather—hot and rainy. Cultivation of <i>amam</i> in progress. General health good.
	Pubna	1.23	
	17. Peralgunga „ 25, '87	8.50	Weather—cloudy and cool. Heavy rain and rivers rising. Prospects of crops good.
	Darjeeling	9.84	
	18. Jalpigore „ 25, „	12.59	Weather—seasonable. State and prospects of crops good. Public health good.
	Madaripore	2.97	
	19. Ranagunge „ 25, '87	2.75	Weather—hot and rainy. Cultivation of <i>amam</i> in progress. General health good.
	20. M. m. m. m. „ 24, '87	6.82	
	Jamalpur	8.01	Weather—hot and rainy. Cultivation of <i>amam</i> in progress. General health good.
	Kishor-gunge	5.20	
	21. A. m. „	5.84	Weather—hot and rainy. Cultivation of <i>amam</i> in progress. General health good.
	Nitokuma	6.68	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL—contd.</b>			
<i>Eastern Districts—contd.</i>			
CHITTAGONG DIV.	23 Chittagong, June 28, '87	4.11	Weather—seasonable. Prospects fair. Transplanting continues. Prices steady. Cholera still lingers, but public health good.
	23 Noakhali „ 24, „	4.54	Weather—generally rainy and cool. Rain has done much good to <i>am</i> plant.
	24 Fenny „ 23, '87	0.25	More rain wanted. Public health fair.
	24 Tipperah „ 23, '87	4.65	Weather—quite seasonable. State and prospects of crops could not be better.
	24 Brahmunbariah „ „	5.22	Public health generally good.
	24 Chandpur „ „	2.83	
CHITTAGONG HILL TRACTS.	25 Chittagong Hill „ 22, '87	4.82	Weather—cloudy and rainy throughout the week. Ploughing for late rice still continues. Young paddy and cotton in <i>jams</i> doing well. Fever prevalent everywhere.
	25 Hill Tipperah „ 22, „	4.79	Weather—rainy. Oilseeds being gathered. Sugarcane and <i>satya</i> paddy doing well. Prospects of <i>jum</i> crops fair. Public health good.
<b>BEHAR.</b>			
PATNA DIV.	26 Patna, June 25, '87	1.85	Weather—rainy and hot alternately. Sowing of <i>bhadai</i> in full progress. Standing crops in good condition. Prospects excellent. Cholera still reported from the Behar and Luck subdivisions.
	27 Gya „ 25 „	3.63	Weather—cloudy for the most part of the week. <i>Musca</i> is being transplanted and paddy sown. Fever and cholera reported from almost all the stations and small-pox from some.
	28 Shahabad „ 25 „	3.47	Weather—cloudy generally. Sowing of <i>bhadai</i> in progress. Sugarcane doing well. Cholera reported from the interior. Prices stationary.
	28 Buxar „ 25 „	3.21	Weather—beginning of the week rainy. Prospects of early rice continue favourable. <i>Bhadai</i> sowings in progress. Indigo prospects promising, but there has been too much rain and some fine weather is now wanted. Price of rice averages 21 seers per rupee. Cholera still reported from the Tajpur = Madhubani subdivisions, especially in the latter, also in the towns.
	28 Darbhanga „ 25 „	3.76	
	28 Tajpur „ „	4.12	
	28 Madhubani „ „	4.42	
	30 Mousserpora „ 25, '87	3.60	Weather—rainy and bright alternately. Prospects of crops continue excellent. <i>Bhadai</i> sowings in full swing all over the district. Indigo and other standing crops promise well. Cholera still lingers in the district, but fast abating now; public health otherwise good.
	31 Hajipur „ 25 „	3.17	
	31 Sitamarhi „ „	3.90	
BAGELPORE DIV.	31 Saran „ 25 „	2.85	Weather—rainy with occasional sunshine; wind variable. Prospects of crops continue good. Sporadic cases of cholera still reported.
	31 Sewan „ „	6.79	
	31 Gopalgunge „ „	5.09	
	32 Ohannarwan „ 25 „	9.17	Weather—very hot with cloudy nights. Transplanting of paddy has begun on low lands. <i>Bhadai</i> sowings going on vigorously. Prospects of standing crops favourable. Mahul of indigo has commenced. Number of deaths from cholera still high, but certainly decreasing. Prices continue stationary.
	32 Bettiah „ „	4.68	
	33 Monghyr, June 25, '87	4.21	Weather—damp and sultry. Rain falling almost every day. Rivers rising. Prospects of crops continue favourable. Sowings of <i>bhadai</i> and winter rice still going on. Cholera abating, but lingers in places.
	33 Begusserai „ „	5.29	
	33 Jamui „ „	2.70	
	34 Bhagalpore „ 25 „	5.64	Weather—scarcely seasonable. Frequent thunder-storms. Rain too much. <i>Bhadai</i> crops and indigo; much of the latter lost in the north. Some fine weather now wanted. Transplanting in progress. Public health improving.
	34 Banka „ „	5.09	
BRASSFORD DIV.	34 Mudshpore „ „	3.69	
	34 Soopole „ „	3.25	
	35 Purneah „ 25 „	5.81	Weather—rainy. Crops are generally doing well except indigo. Jute is much affected by the same cause.
	35 Kishengunge „ „	10.86	have suffered from excessive rain, and agricultural operations are impeded by the same cause.
	35 Arrah „ „	6.00	
	36 Maidah „ 25 „	3.97	Weather—sultry and rainy. <i>Bhadai</i> crops doing well. Common rice selling at 22 seers per rupee. Public health good.
	36 Chanchal „ „	7.73	
	36 Shibgunge „ „	3.29	
	37 Saubhal Pargana „ 25 „	2.61	Alternate clouds and rain with thunder and gusts of wind. Paddy springing up well. Indian corn being sown. Jute is being sown in Rajmehal. Sugarcane doing well. Prospects good. Public health good.
	37 Deoghur „ „	3.65	
ORISSA.	37 Goida „ „	2.36	
	37 Jamtara „ „	1.78	
	37 Pakor „ „	2.60	
	37 Rajmehal „ „	4.25	
ORISSA DIV.	38 Cuttack, June 24, '87	1.94	Weather—hot and cloudy with showers of rain at times. Sowing of rice in progress; plants coming up in many places and doing well. Common rice at 18 seers per rupee in town and 20 to 24 seers in interior. Public health generally good, except that sporadic cases of cholera are reported in the divisions. Rivers have slightly risen.
	39 Poore „ 23 „	0.83	Weather—hot and cloudy. Sowing of <i>sarad</i> crop progressing. Prices stationary. Cases of cholera and small-pox reported from the mofussil.
	40 Khorda „ 24 „	2.40	Weather—hot and cloudy. Sowing of paddy going on. Plants doing well. A few cases of cholera reported; public health otherwise good.

No.	District and date of return.	Rainfall at Sadler Station in in. ozs.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, June 24, '87	1.69	Weather—seasonable. Sunshine and showers. Agricultural operations in full swing. Prospects of all crops good. Cases of cholera reported from several thanas, otherwise general health good.
42	Lohardugga " 25 "	3.63	Weather—seasonable; but alternate sunshine and rain during the week. Ploughing and sowing still continue. Prices steady. Cases of cholera and small-pox reported; general health otherwise good.
	Palamow " " "	2.52	
43	Singbhoom " 26 "	4.87	Weather—seasonable. Ample rain in all parts. Prospects of crops excellent. Public health good except in Seraikella, where three cases of cholera reported.
44	Narabhoom " 27 "	2.75	Weather—seasonable. Rain in every part of the district except in Ichaghur and Hazaribagh thanas. Ploughing and sowing going on. Sugarcane promising. Public health good.
	Govindpur " " "	1.66	

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 28th June 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

Following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of January 1887.

### IMPORTS INTO CALCUTTA.

[illegible]

\* One mawnd of paddy is equivalent to 44 seers of rice.

† Relative of bags obtained by local manufacture.

*The Sea-borne Trade of Calcutta in these Staples during the month of January 1887, was as follows:—*

[illegible]

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of January 1887.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTE.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.			Total.
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Un-drained.	Refined.	
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	10,70,007	1,43,928	87,460	51,841	14,327	4,10,355	859,127	23,264	34,479	484	7,787	238	195	16,057	...	...
" river steamers ...	17,944	841	703	6,308	...	3,61,803	...	7,198	1,987	47,893	3,448	199	90	...	...	...
" rail { East Indian Railway ...	3,07,899	1,912	3,15,001	89,482	22,961	...	20,892	1,39,389	58,890	843	1,83,281	1,470	1,814	8,229	...	...
" rail { Eastern Bengal State Railway ...	58,047	1,870	1,093	27,938	...	4,10,140	804,510	2,009	...	8,745	789	512	298	8,207	...	...
" road ...	92,405	9,777	893	3,294	...	78,853	7,700	...	...	80	...	...	9,892	29,840	...	...
" sea ...	63,363	1,478	...	240	293	3,314	11,100	14	...	543	9,021	57	21,434	27,344	...	...
Grand total of 1887 ...	22,49,016	1,48,306	8,55,802	2,07,584	37,481	11,60,925	1,704,332	2,21,802	51,023	58,180	2,03,432	2,500	33,633	86,700	...	...
Imports in January 1880 ...	25,39,178	1,22,102	2,07,540	2,09,337	29,558	13,80,293	2,643,549	72,091	79,363	53,004	1,84,541	2,115	14,240	77,338	...	...

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of January 1887.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.				
BENGAL.													
	Rs.	Rs.	Mds.	Mds.	Mds.	No.		Rs.	Rs.	Mds.	Mds.	Mds.	No.
Burdwan	2,11,257	.....	534	1,263	37,122	162,643	CHOTA NAGPORE.	.....	.....	.....	.....	.....	.....
Boerghoom	1,06,861	.....	221	311	11,758	220,525	Hazarbhoon	46,879	2,530	.....	224	5,313	.....
Midnapore	2,10,880	.....	3,147	.....	3,109	7,392	Manbhoon	46,762	.....	40	1,027	11,519	.....
Roohly	1,33,932	5,772	788	21	3,214	79,385	Total of Chota Nagpore	96,641	2,530	40	1,251	10,782	.....
24 Pergunnahs	1,70,189	5,597	574	.....	12,009	54,099	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	57,02,785	21,010	18,819	6,894	6,02,010	.....
Naldia	3,03,404	.....	1,331	.....	31,002	17,394	OTHER PROVINCES.	.....	.....	.....	.....	.....	.....
Khulna	68,760	.....	56	.....	7,772	1,400	Assam	2,81,222	.....	85	.....	51,442	.....
Jessore	90,821	.....	680	.....	25,052	2,390	North-Western Provinces and Oudh	25,06,540	6,150	2,821	535	33,121	.....
Moorshedabad	43,542	.....	100	15	13,101	26,457	Punjab	6,76,110	220	984	.....	1	.....
Dinapore	1,27,576	.....	158	.....	5,638	25,170	Central Provinces	31,815	.....	149	.....	.....	.....
Majshakya	1,00,845	.....	133	.....	14,209	8,090	Rajputana States	42,904	.....	125	18	.....	.....
Rangpore	2,64,740	.....	277	.....	7,772	.....	Bombay	1,850	220	.....	.....	.....	.....
Boera	1,81,154	.....	134	.....	3,702	24,430	Madras	78,628	1,645	.....	.....	.....	.....
Patna	1,81,220	.....	285	.....	55,027	804	Nizam's Territory	120	.....	.....	.....	.....	.....
Darjeeling	36,477	960	84	.....	400	1,095	Berar	120	220	.....	.....	.....	.....
Julpigates	41,508	.....	100	.....	12,999	30	Pondicherry	.....	.....	.....	.....	.....	.....
Dacca	4,57,000	.....	1,782	41	63,007	490	British Burmah	2,09,032	55	744	1,167	.....	.....
Furroadpore	3,24,273	.....	1,300	.....	29,043	5,530	Other places	12,005	2,121	.....	1,424	.....	.....
Hankengunge	96,927	.....	24	.....	43,075	.....	Grand Total of 1887	94,40,000	30,045	22,124	8,300	7,32,100	.....
Mymensingh	99,960	.....	10	.....	43,075	.....	Exports in January 1886	1,24,11,339	1,05,167	21,441	10,849	7,42,101	.....
Tipterah	.....	.....	.....	.....	.....	.....	The Sea-borne Trade of Calcutta in these Staples during the month of Jan 1887 was as follows:—						
Chittagong	65,725	.....	132	.....	200	77,080							
Nonkholy	13,193	.....	.....	.....	5,310	.....							
Total of Bengal	33,44,705	11,909	11,737	1,933	4,33,070	644,025							
BEHAR.													
Patna	4,49,385	440	195	329	55,065	156,317							
Ora	1,06,462	2,890	54	441	11,560	20,020							
Manabadi	2,27,034	.....	2	254	16,204	17,035							
Mosufforpore	62,874	.....	4	18	2,707	1,730							
Burhanga	2,22,741	.....	1	627	21,414	25,825							
Baun	85,080	1,210	1	41	4,017	770							
Chumparua	3,15,730	2,630	37	26	4,000	16,692							
Monkhyr	86,987	.....	.....	305	11,782	21,085							
Bhaurupore	1,01,217	.....	40	109	21,843	65,790							
Purneah	91,041	.....	.....	240	9,441	1,455							
Maklah	.....	.....	.....	.....	13,280	2,400							
South Pergunnahs	2,46,310	230	137	917	23,020	52,003							
Total of Behar	21,37,080	6,490	680	3,435	1,25,360	316,943							
ORISSA.													
Cuttack	.....	.....	.....	.....	.....	7,300							
Balasore	1,15,360	.....	3,553	805	11,024	222,060							
Total of Orissa	1,15,360	.....	3,553	805	11,024	222,060							
CHOTA NAGPORE.													
	Rs.	Rs.	Mds.	Mds.	Mds.	No.		Rs.	Rs.	Mds.	Mds.	Mds.	No.
Hazarbhoon	46,879	2,530	.....	224	5,313	.....							
Manbhoon	46,762	.....	40	1,027	11,519	.....							
Total of Chota Nagpore	96,641	2,530	40	1,251	10,782	.....							
Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.													
								57,02,785	21,010	18,819	6,894	6,02,010	.....
OTHER PROVINCES.													
								2,81,222	.....	85	.....	51,442	.....
								25,06,540	6,150	2,821	535	33,121	.....
								6,76,110	220	984	.....	1	.....
								31,815	.....	149	.....	.....	.....
								42,904	.....	125	18	.....	.....
								1,850	220	.....	.....	.....	.....
								78,628	1,645	.....	.....	.....	.....
								120	.....	.....	.....	.....	.....
								120	220	.....	.....	.....	.....
								.....	.....	.....	.....	.....	.....
								2,09,032	55	744	1,167	.....	.....
								12,005	2,121	.....	1,424	.....	.....
								94,40,000	30,045	22,124	8,300	7,32,100	.....
								1,24,11,339	1,05,167	21,441	10,849	7,42,101	.....
The Sea-borne Trade of Calcutta in these Staples during the month of Jan 1887 was as follows:—													
								Rs.	Rs.	Mds.	Mds.	Mds.	No.
								78,62,700	.....	12,114	.....	8,99,250	.....
								2,40,900	.....	141	.....	2,31,800	.....
								77,98,709	.....	12,750	.....	9,02,448	.....
								20,490	84,335	.....	6,838	41,414	.....
								845	7,367	.....	.....	.....	.....
								1,028	520	.....	.....	.....	.....
								.....	600	18	.....	.....	.....
								21,577	43,612	18	6,539	61,414	.....
								78,20,675	43,612	12,879	6,539	9,43,454	.....
								79,38,173	74,031	16,275	16,038	7,35,263	.....
As per tariff declaration value.													

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of January 1887.

SPECIFICATION OF ROUTE.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	2,81,842	4,300	3,545	...	3,03,129	...
" river steamers ...	5,46,079	...	1,060	...	20,102	...
" rail { East Indian Railway ...	67,10,098	15,840	5,348	...	2,40,630	...
" rail { Eastern Bengal State Railway ...	21,00,141	1,100	5,477	...	81,480	...
" road ...	2,24,181	890	...	...	4,100	...
" sea ...	4,79,955	8,206	5,014	...	11,634	...
Grand Total of Exports in January 1887 ...	31,40,006	50,043	22,164	9,300	7,32,170	...
Exports in January 1886 ...	1,24,11,339	1,05,167	21,441	10,849	7,42,101	...

STATISTICAL DEPARTMENT,  
The 23rd June 1887.

P. NOLAN,  
Secretary to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 19th to 25th June 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure baromet. at 55° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		inches.	°	°	°	°	°	Inches.	°	%			Inches.	
June	19th	150.5	2.4	29.470	82.0	88.3	10.0	77.4	79.1	0.957	77.4	88	SW by S and ENE	83	2.79	Cloudy, o, g, p.
"	20th	143.5	2.1	58.4	82.0	85.5	8.4	77.1	79.0	.951	77.7	87	SSW and S	198	0.08	Cloudy, o, g, d, l.
"	21st	108.7	1.9	58.5	82.0	80.7	8.3	78.2	79.0	.974	78.4	87	SSW and S	184	0.07	Cloudy, o, p.
"	22nd	156.5	4.3	60.5	84.7	89.8	10.0	79.8	80.6	.990	79.0	88	SSW	209	Nil	Partially cloudy, d.
"	23rd	125.5	1.8	61.8	84.3	87.5	7.3	80.2	80.7	1.003	79.3	85	SSW and S	157	"	Cloudy, o, g, d.
"	24th	152.5	3.6	60.8	84.0	89.7	9.6	80.1	80.6	0.990	78.0	83	SSW	180	"	Cloudy, o, g, d.
"	25th	158.2	9.1	67.4	85.2	91.3	12.9	78.4	79.9	.952	77.7	79	S by W and SSW	157	"	Partially cloudy, d.

The mean pressure of the seven days

The average pressure of the corresponding period for 24 years, S. G.'s Office

The total number of hours of bright sunshine

The maximum possible number of hours of sunshine

The mean temperature of the seven days

The average temperature of the corresponding period for 24 years, S. G.'s Office

The extreme variation of temperature

The maximum temperature

The highest velocity of the wind in one hour

The highest pressure of wind on one square foot

The mean relative humidity

The average relative humidity of the corresponding period for 24 years, S. G.'s Office

The total fall of rain from 19th to 25th June 1887

The average fall of the corresponding period for 24 years, S. G.'s Office

The total fall from 1st January to 25th June 1887

The average fall of the corresponding period for 24 years, S. G.'s Office

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 26, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, d drizzling rain, p passing temporary showers, < lightning, a dew, ⊕ solar corona.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, INDIA;  
Calcutta, the 27th June 1887.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 10 A.M.	Mean reduced to sea level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
ORISSA.	Pooree	Gopalpore	29.997	29.937	+0.05	SSW	260	89.2	19th June	77.8	20th June	87.0	80.7	84.1	+0.7	84.1
		False Point	29.934	29.984	+0.047	SSW	350	89.5	18th "	74.6	19th, 20th June.	84.9	78.0	83.6	-1.9	83.6
	Cuttack	Cuttack	29.578	29.689	+0.09	Variable	72	89.4	18th "	74.8	20th "	86.3	74.2	80.6	-1.2	80.6
	Balasore	Balasore	29.578	29.634	+0.056	NW	155	87.5	18th "	76.7	19th, 20th, 23rd June.	80.5	78.3	84.4	+1.3	84.4
	South-West Midnapore	Banger Island	29.613	29.630	+0.017	S, SSW	577	89.7	18th "	76.5	23rd "	89.4	79.5	84.5	-0.4	84.5
SOUTH-WEST BENGAL.	South 24-Pargunnahs	Midnapore	29.470	29.625	+0.14	S	116.9	90.3	18th "	76.3	24th "	81.7	77.8	84.8	+0.8	84.8
	24-Pargunnahs	Calcutta	29.597	29.619	-0.02	SSW	104	89.5	18th "	76.8	18th "	83.3	78.4	83.4	-1.1	83.4
	Howrah	Burdwan	29.516	29.606	+0.09	S	90	89.6	18th, 19th, 20th June.	77.4	21st "	82.0	78.7	83.6	-0.3	83.6
	Hooghly	Bankura	29.270	-	-	Variable	10.37	89.1	18th, 24th June.	77.5	20th, 21st, 22nd June.	81.7	70.4	83.3	-	83.3
	Burdwan	Ranecoo	29.265	-	+0.09	South-westerly.	91.6	89.5	19th "	76.4	19th "	82.1	78.1	85.1	-2.3	85.1
	Bankura	Berhampore	29.548	29.615	+0.067	SSW	119.4	89.3	18th "	77.3	21st "	80.8	78.2	84.5	-1.1	84.5
	Bardhaman	Krishnagar	29.560	-	-	S	117.6	89.8	18th "	76.8	18th "	80.4	78.1	84.3	-	84.3
	Jessore	Jessore	29.665	29.639	+0.026	NW	100.3	92.8	23rd "	77.0	18th "	83.0	79.2	84.6	+0.7	84.6
	Khoolna	Chittagong	29.624	29.714	+0.09	SE, SSE	141	87.4	18th "	75.5	18th "	80.2	77.3	81.8	+0.3	81.8
	Chittagong Hill Tracts	Dumra	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EAST BENGAL.	Backergunge	Barrisal	29.660	29.612	+0.048	S	128.0	88.8	19th June	71.8	21st "	82.0	78.8	81.9	-	81.9
	Noakhali	Noakhali	29.631	29.674	-	Southerly	70.4	88.8	24th "	71.0	18th "	87.8	77.9	82.7	-	82.7
	Faridkote	Faridkote	29.611	-	+0.041	SSE	152.6	88.5	18th "	70.0	24th "	81.7	77.2	82.0	-0.3	82.0
	Dacca	Dacca	29.634	29.650	+0.016	SSW	153	92.1	19th "	77.2	21st "	88.2	70.3	84.8	+0.4	84.8
	Comilla	Comilla	29.633	29.669	+0.036	SE	191.3	90.4	21st "	71.8	20th "	85.4	78.0	82.2	+1.2	82.2
NORTH BENGAL.	Mymensingh	Mymensingh	29.610	-	+0.020	Calm	136.7	89.8	20th "	75.1	19th "	86.8	70.8	81.6	0	81.6
	Bohara	Bohara	29.624	29.618	-	East SE	131.5	91.3	23rd "	76.6	23rd, 24th June.	87.7	77.1	83.4	-	83.4
	Patna	Serajung	29.639	29.636	+0.003	S	117.8	90.6	18th "	74.7	24th "	89.0	76.0	83.3	0	83.3
	Rajshahi	Rampore Beau-Jouh	29.631	29.601	+0.030	SE	98.8	89.3	18th, 19th June.	69.0	20th "	80.0	72.3	81.2	-0.9	81.2
	Malda	Malda	29.430	-	-	SW, calm	41.2	91.8	18th "	76.8	23rd "	87.9	78.1	83.0	-	83.0
NORTH BENGAL.	Dinapore	Dinapore	29.606	29.623	+0.017	SE, NE	142.1	90.6	18th, 20th June.	73.8	22nd "	86.8	76.7	81.3	-1.7	81.3
	Rangpur	Rangpur	29.513	29.640	+0.127	E	111.2	91.3	20th "	74.7	22nd "	84.8	76.8	80.0	-1.7	80.0
	Jalpaiguri	Jalpaiguri	29.360	29.636	+0.276	E	140.7	90.0	20th "	71.8	21st, 22nd June.	83.0	74.1	78.5	-3.0	78.5
	Cooch Behar	Darjeeling Hill District	29.603	-	-	E	41.4	87.6	20th "	68.8	21st, 22nd June.	68.6	65.6	67.0	-1.3	67.0
	Purneah	Purneah	29.510	29.637	+0.127	Calm	30.6	92.2	20th "	74.6	21st, 22nd June.	86.2	76.1	81.2	-3.0	81.2
NORTH BENGAL.	Mozufferpore	Mozufferpore	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Durbhanga	Durbhanga	29.442	29.606	+0.164	ESE	144.6	89.3	18th to 21st June.	74.5	22nd "	87.1	78.1	82.6	-2.4	82.6
	Chauhanpur	Motihari	29.366	29.610	+0.244	SE	189.3	87.7	19th, 20th & 21st June.	71.3	22nd "	86.0	76.0	83.0	-1.4	83.0
	Baran	Chopra	29.413	-	+0.053	Calm	8.4	84.0	20th to 22nd June.	74.1	22nd "	80.0	78.1	83.6	-1.5	83.6
	Shahabad	Baran	29.366	29.636	+0.270	North-westerly	217.5	89.9	18th "	75.5	22nd "	87.6	78.1	83.1	-0.4	83.1
SOUTH BENGAL.	Shahabad	Baran	29.366	29.636	+0.270	North-westerly	217.5	89.9	18th "	75.5	22nd "	87.6	78.1	83.1	-0.4	83.1
	Gya	Gya	29.218	29.637	+0.419	North-westerly	102	89.3	18th "	74.6	20th "	80.8	70.2	80.6	-3.7	80.6
	Patna	Bankipore	29.421	29.661	+0.240	Variable	78	89.4	18th "	76.3	22nd "	85.7	79.2	83.9	-0.9	83.9
	South Bhagalpore	Bhagalpore	29.426	29.656	+0.230	Variable	73.7	84.6	19th "	76.0	23rd "	87.5	77.4	82.0	0	82.0
	Monghyr	Deoria	29.090	-	-	Calm	8.17	84.6	18th "	76.9	18th "	80.0	77.9	84.4	-	84.4
CHOTA NAGPORE.	Hazaribagh	Hazaribagh	29.038	29.618	+0.580	W	189	91.5	18th "	75.1	21st "	85.9	78.9	80.9	-2.0	80.9
	Lohardigha	Ranchi	29.564	29.601	+0.037	Westerly	87.0	89.5	18th, 20th and 24th June.	69.0	20th "	84.5	79.6	83.4	+0.3	83.4
	Manbhum	Chyabama	29.847	-	-	SSW	56.7	89.4	18th, 22nd June.	76.0	24th "	92.8	77.6	83.5	-	83.5
	Singbhum	Singbhum	29.372	29.703	+0.331	SW	58	89.1	20th "	76.0	20th "	80.8	77.7	83.8	0	83.8
	Asansol	Dhubi	29.648	29.607	-0.041	ENE, calm	178	87.2	20th "	74.8	22nd, 24th June.	80.4	70.0	78.4	-2.7	78.4
ASAM.	Silchar	Silchar	29.695	29.703	+0.008	Calm	72	86.6	20th "	76.8	21st, 22nd June.	80.6	76.7	83.6	+0.7	83.6

Representative. - Summary. - The normal means of air pressure and temperature are the arithmetical average of means of the readings during the same period for the years 1871-80. The humidity of the atmosphere is expressed as percentage, estimated by means of a hygrometer.

for the week ending Friday, the 24th June 1887.

DISTRICT OBSERVATIONS.															Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
No.	Latitude at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.													
				Of week.		Since 1st of month.			Since 15th May 1887.			Average number of rainy days.	Normal number of rainy days.				
				Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
81	5° 1'	1° 35'	—	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	ORISSA.	
80	7° 0'	0° 02'	1° 06'	5° 30'	6° 55'	—	—	—	—	—	—	—	—	Pulsa Point	SOUTH-WEST BENGAL.		
79	6° 0'	2° 00'	2° 38'	6° 21'	8° 17'	—	—	—	—	—	—	—	—	Cuttack			SOUTH-WEST BENGAL.
81	6° 3'	1° 30'	2° 10'	6° 03'	8° 10'	—	—	—	—	—	—	—	—	Balasore			
87	8° 3'	5° 70'	3° 70'	2° 34'	5° 43'	7° 54'	-1° 01'	8° 58'	9° 74'	-1° 16'	4° 3'	3° 7'	Saugor Island	SOUTH-WEST BENGAL.			
86	5° 3'	2° 46'	4° 14'	1° 71'	6° 37'	7° 58'	-0° 71'	10° 70'	9° 54'	+1° 22'	4° 7'	3° 5'	Midnapore		SOUTH-WEST BENGAL.		
79	8° 7'	3° 04'	2° 48'	2° 50'	3° 09'	2° 13'	-2° 10'	8° 00'	10° 77'	-2° 07'	3° 7'	4° 7'	Calcutta			SOUTH-WEST BENGAL.	
75	8° 8'	1° 40'	2° 70'	2° 32'	5° 31'	7° 30'	-1° 58'	13° 20'	0° 03'	+3° 54'	4° 0'	3° 4'	Bardwan				SOUTH-WEST BENGAL.
77	8° 1'	2° 40'	5° 34'	2° 00'	7° 77'	8° 03'	-0° 26'	11° 20'	0° 55'	+1° 41'	4° 0'	3° 3'	Bankura	SOUTH-WEST BENGAL.			
76	5° 0'	3° 51'	3° 50'	2° 34'	6° 14'	8° 10'	-1° 04'	12° 08'	0° 74'	+3° 17'	5° 0'	4° 0'	Raneesingee		SOUTH-WEST BENGAL.		
80	9° 1'	3° 28'	4° 22'	2° 20'	10° 70'	7° 10'	+3° 50'	10° 00'	0° 80'	+0° 70'	5° 0'	3° 4'	Berhampore			SOUTH-WEST BENGAL.	
78	7° 0'	1° 08'	2° 10'	2° 20'	4° 30'	8° 30'	-2° 00'	13° 00'	11° 74'	+1° 26'	3° 0'	3° 3'	Krishnachur				SOUTH-WEST BENGAL.
81	8° 7'	2° 78'	3° 36'	2° 54'	5° 28'	10° 42'	-2° 14'	10° 00'	13° 31'	-3° 31'	5° 4'	4° 3'	Jessore	SOUTH-WEST BENGAL.			
80	8° 6'	3° 71'	—	—	—	—	—	—	—	—	—	—	Chittagong		SOUTH-WEST BENGAL.		
85	7° 9'	3° 20'	2° 32'	4° 00'	7° 08'	10° 28'	-3° 20'	10° 24'	20° 21'	-10° 07'	5° 3'	5° 3'	Chittagong Hill Tracts			SOUTH-WEST BENGAL.	
80	8° 9'	4° 10'	6° 01'	—	23° 70'	—	—	—	23° 30'	—	—	—	Buckenrange				SOUTH-WEST BENGAL.
83	3° 0'	2° 08'	2° 15'	2° 01'	8° 01'	10° 50'	-0° 09'	10° 30'	10° 02'	-4° 22'	3° 7'	6° 4'	Nankhilly	SOUTH-WEST BENGAL.			
80	8° 1'	1° 47'	—	—	—	—	—	—	—	—	—	—	Paroodipore		SOUTH-WEST BENGAL.		
76	8° 7'	4° 53'	—	—	—	—	—	—	—	—	—	—	Dacca			SOUTH-WEST BENGAL.	
81	8° 4'	5° 14'	—	—	—	—	—	—	—	—	—	—	Comilla				SOUTH-WEST BENGAL.
88	9° 7'	6° 30'	4° 08'	3° 08'	18° 77'	10° 00'	+8° 00'	27° 28'	14° 37'	+12° 51'	5° 0'	4° 2'	Mymensingh	SOUTH-WEST BENGAL.			
80	8° 8'	3° 28'	4° 30'	2° 09'	12° 02'	9° 28'	+2° 34'	15° 40'	15° 21'	+0° 19'	5° 0'	6° 5'	Bogra		SOUTH-WEST BENGAL.		
81	6° 3'	5° 24'	4° 30'	2° 10'	9° 11'	7° 32'	+1° 29'	10° 47'	10° 05'	+0° 42'	5° 0'	3° 5'	Serampore			SOUTH-WEST BENGAL.	
85	6° 8'	3° 07'	0° 47'	3° 57'	11° 76'	9° 12'	+2° 04'	21° 25'	11° 40'	+10° 45'	4° 5'	6° 3'	Palua				SOUTH-WEST BENGAL.
81	8° 5'	13° 37'	10° 70'	8° 50'	17° 40'	10° 77'	+6° 03'	31° 45'	13° 37'	+18° 08'	4° 0'	6° 2'	Raipur Boudhah	SOUTH-WEST BENGAL.			
85	8° 0'	9° 48'	9° 19'	6° 48'	17° 30'	17° 15'	+0° 04'	40° 06'	24° 13'	+15° 53'	5° 0'	4° 0'	Rajshahi		SOUTH-WEST BENGAL.		
84	8° 7'	1° 47'	13° 71'	8° 01'	39° 18'	24° 30'	+7° 52'	40° 04'	33° 00'	+7° 04'	5° 0'	5° 6'	Maldah			SOUTH-WEST BENGAL.	
84	8° 0'	2° 33'	8° 43'	5° 09'	20° 09'	22° 71'	-1° 52'	30° 27'	28° 42'	+1° 45'	5° 5'	5° 3'	Dumapore				SOUTH-WEST BENGAL.
89	7° 3'	5° 51'	5° 42'	3° 42'	12° 28'	9° 08'	+3° 40'	27° 51'	11° 09'	+16° 42'	4° 8'	3° 0'	Darjeeling	SOUTH-WEST BENGAL.			
88	—	—	—	—	—	—	—	—	—	—	—	—	Purneah		SOUTH-WEST BENGAL.		
88	7° 9'	5° 76'	5° 19'	3° 04'	10° 07'	0° 04'	+4° 43'	16° 52'	0° 09'	+16° 43'	4° 0'	2° 3'	North Bhagulpore			SOUTH-WEST BENGAL.	
79	8° 3'	0° 73'	6° 34'	2° 12'	0° 04'	5° 39'	+4° 30'	12° 13'	0° 39'	+11° 74'	5° 3'	2° 8'	Mozufferpore				SOUTH-WEST BENGAL.
80	7° 1'	2° 44'	4° 78'	1° 08'	6° 32'	3° 20'	+3° 00'	10° 70'	0° 13'	+10° 57'	4° 7'	2° 7'	Durbhanga	SOUTH-WEST BENGAL.			
81	6° 8'	0° 32'	—	—	—	—	—	—	—	—	—	—	Chunparan		SOUTH-WEST BENGAL.		
76	6° 4'	2° 00'	1° 03'	1° 47'	3° 23'	3° 10'	+0° 04'	7° 34'	3° 02'	+4° 32'	2° 8'	2° 0'	Saru			SOUTH-WEST BENGAL.	
83	7° 7'	3° 51'	—	—	—	—	—	—	—	—	—	—	Debra				SOUTH-WEST BENGAL.
78	7° 1'	3° 03'	2° 40'	1° 41'	4° 38'	3° 78'	+0° 00'	9° 30'	4° 00'	+5° 30'	2° 9'	2° 4'	Buxar	SOUTH-WEST BENGAL.			
80	8° 0'	1° 35'	2° 08'	1° 09'	4° 30'	6° 30'	+0° 00'	12° 00'	5° 27'	+7° 21'	3° 5'	2° 5'	Arrah		SOUTH-WEST BENGAL.		
84	5° 1'	5° 53'	4° 00'	2° 00'	6° 00'	4° 00'	+1° 00'	13° 00'	6° 00'	+7° 00'	5° 0'	3° 1'	Gya			SOUTH-WEST BENGAL.	
85	6° 1'	2° 30'	3° 17'	2° 07'	3° 19'	7° 13'	-1° 04'	10° 03'	8° 31'	+1° 32'	5° 1'	3° 0'	Bankipore				SOUTH-WEST BENGAL.
76	6° 7'	2° 55'	—	—	—	—	—	—	—	—	—	—	Bhagulpore	SOUTH-WEST BENGAL.			
77	8° 3'	2° 07'	2° 31'	2° 10'	3° 10'	5° 70'	-0° 06'	11° 71'	7° 05'	+4° 66'	4° 0'	4° 0'	South Bhagulpore		SOUTH-WEST BENGAL.		
76	7° 7'	4° 00'	1° 57'	2° 43'	0° 74'	6° 37'	-0° 07'	16° 11'	8° 40'	+8° 01'	4° 0'	4° 3'	Monghyr			SOUTH-WEST BENGAL.	
83	5° 0'	2° 05'	—	—	—	—	—	—	—	—	—	—	Doonka				SOUTH-WEST BENGAL.
84	8° 3'	—	—	—	—	—	—	—	—	—	—	—	Hazaribagh	SOUTH-WEST BENGAL.			
79	8° 3'	—	—	—	—	—	—	—	—	—	—	—	Lehardugga		SOUTH-WEST BENGAL.		
76	7° 7'	—	—	—	—	—	—	—	—	—	—	—	Ranchoe			SOUTH-WEST BENGAL.	
83	5° 0'	—	—	—	—	—	—	—	—	—	—	—	Manbhoost				SOUTH-WEST BENGAL.
84	8° 3'	—	—	—	—	—	—	—	—	—	—	—	Chyalama	SOUTH-WEST BENGAL.			
79	8° 3'	—	—	—	—	—	—	—	—	—	—	—	Ribansar		SOUTH-WEST BENGAL.		
76	7° 7'	—	—	—	—	—	—	—	—	—	—	—	Dhulri			SOUTH-WEST BENGAL.	
83	5° 0'	—	—	—	—	—	—	—	—	—	—	—	Amara				SOUTH-WEST BENGAL.
84	8° 3'	—	—	—	—	—	—	—	—	—	—	—	Bihar	SOUTH-WEST BENGAL.			

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of June 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May 1887.	Average rainfall from 15th May to date.
			Saturday, 19th June.	Sunday, 20th June.	Monday, 21st June.	Tuesday, 22nd June.	Wednesday, 23rd June.	Thursday, 24th June.	Friday, 25th June.	Number of rainy days.	of Rainfall week.				
ORISSA	Poonch	Poonch	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	1.76	0.07	0.00	0.00
		Khorah	0.00	1.71	0.00	0.00	0.00	0.00	0.00	1	0.00	4.87	0.23	0.00	0.00
		Bampur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00
		False Point	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	2.10	0.00	0.00	0.00
		Pepi	0.00	1.14	0.00	0.00	0.00	0.00	0.00	1	0.00	3.20	0.00	0.00	0.00
	Cuttack	Jagatsinghpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	4.10	0.00	0.00	0.00
		Burka	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1	0.00	7.64	0.00	0.00	0.00
		Cuttack	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.13	0.00	0.00	0.00
		Kondrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	14.86	0.00	0.00	0.00
		Jalapa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	15.23	0.00	0.00	0.00
SOUTH-WEST BENGAL.	Balasore	Chandball	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	5.20	0.00	0.00	0.00
		Blackburn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	6.00	0.00	0.00	0.00
		Sand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	4.77	0.00	0.00	0.00
		Indasore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	6.12	0.00	0.00	0.00
		Jalapa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	6.00	0.00	0.00	0.00
	Midnapore	Cuttack	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	7.64	0.00	0.00	0.00
		Seagor Island	0.00	1.71	0.00	0.00	0.00	0.00	0.00	1	0.00	7.37	0.00	0.00	0.00
		Tumbuk	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1	0.00	7.20	0.00	0.00	0.00
		Kondrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	5.64	0.00	0.00	0.00
		Chattal	0.00	1.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
24-Pergunnahs	Diamond Har- bour	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	7.36	0.00	0.00	0.00	
	Canning Town	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	7.64	0.00	0.00	0.00	
	Alipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.41	0.00	0.00	0.00	
	Kondrapara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.77	0.00	0.00	0.00	
	Dum-Dum	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.45	0.00	0.00	0.00	
	Howrah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.13	0.00	0.00	0.00	
	Midnapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.00	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Hooghly	Sonarpore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Hooghly	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Jehanabad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Burdwan	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
Bankura	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bankura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Beerbhoom	Bh. Soory	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Beerbhoom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Rampore Haut	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Durgam	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
		Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00
Nuddea	Rampurhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Kishinipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chandbura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Beharipore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Koachita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Khoolna	Kotkhira	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Buzurhat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Khoolna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chattal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Jessore	Narail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Jessore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Jhinnidah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Magorah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bougang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Moorsheadabad	Kandi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Beerbhoom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Lalbagh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Azamgarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Jessore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Chittagong	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Chittagong Hill Tracts.	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Chittagong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
Bachergunge	Patuakhali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	8.42	0.00	0.00	0.00	
	Bachergunge	0.00	0.00	0.00	0.00	0.00	0.00								

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of June 1887—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 16th May 1887.	Average rainfall from 16th May to date.
			Saturday, 19th June.	Sunday, 20th June.	Monday, 21st June.	Tuesday, 22nd June.	Wednesday, 23rd June.	Thursday, 24th June.	Friday, 25th June.	Number of rainy days.	of Rainfall week.				
WEST BENGAL.	Gourahat.	Gourahat ...	0.70	0.58	0.45	0.67	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Naokholly ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Naokholly ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
	Purba Medinipur.	Madanpur ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Purba Medinipur ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Boalundo ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
	Dacca.	Munshiganj ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Dacca ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
		Narainpur ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
	Rajshahi.	Agartala ...	0.05	0.53	1.05	0.58	0.52	0.52	0.52	5	5.00	7.34	1.47	7.00	1.40
MID BENGAL.	Mymensingh.	Atia (Tangail) ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mymensingh ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Jamshilpur ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Dhaka.	Narainpur ...	0.20	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Subansiri ...	0.20	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Durgam ...	0.20	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Pabna.	Pabna ...	0.10	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Barisal ...	0.10	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Barisal ...	0.10	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Moulvibazar.	Sherpore ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
SOUTH BENGAL.	Bhadrabad.	Sherpore ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Sherpore ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Sherpore ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Malda.	Malda ...	0.07	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Malda ...	0.07	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Malda ...	0.07	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Dinapore.	Mohadepore ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Churam ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Kankura ...	0.05	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Banspur.	Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
SOUTH BENGAL.	Banspur.	Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Banspur.	Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Banspur.	Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
		Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50
	Banspur.	Mhawariganga ...	0.45	0.18	1.01	2.21	0.20	1.82	1.82	6	6.27	21.01	3.50	21.01	3.50

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 24th of June 1887—*concluded*.

Met. Observing Station.	District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall to-m 1st of month.	Total rain-fall since 1st of May 1887.	Average rainfall from 1st of May to date.
			Saturday, 18th June.	Sunday, 19th June.	Monday, 20th June.	Tuesday, 21st June.	Wednesday, 22nd June.	Thursday, 23rd June.	Friday, 24th June.	Number of rainy days.	of Rainfall week.				
NORTH BENGAL —concluded.		Gopalgange ...	0.04	1.39	0.33	2.75	0.63	0.29	2	5.33	7.35	4.05	8.33	10.87	1.30
		Sawa ...	0.00	0.30	0.30	0.13	0.13	0.00	4	0.11	0.40	0.00	0.40	0.40	0.40
		Chunah ...	0.07	0.71	0.70	1.27	0.10	0.00	5	2.85	3.53	3.53	3.53	3.53	3.53
	Shahabad	Bihar ...	0.30	0.44	0.44	0.81	0.00	0.10	4	1.44	3.69	3.31	0.43	0.43	0.43
		Dumree ...	0.00	0.00	0.00	0.83	0.00	0.00	1	0.12	0.10	0.00	0.10	0.10	0.10
		Hibbooh ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.11	0.10	0.00	0.10	0.10	0.10
		Samseram ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.10	0.10	0.00	0.10	0.10	0.10
		Arroh ...	1.02	1.10	0.15	0.15	0.00	0.15	5	2.68	3.94	3.94	3.94	3.94	3.94
		Mohania ...	0.00	0.35	0.00	0.00	0.00	0.00	1	0.35	0.35	0.35	0.35	0.35	0.35
	Gya	Aurungabad ...	0.00	0.13	1.25	0.00	0.00	0.00	2	1.38	2.58	3.80	10.02	10.02	10.02
		Gya ...	0.00	0.00	0.00	0.00	0.00	0.00	2	0.00	0.00	0.00	0.00	0.00	0.00
		Kowdah ...	0.00	1.47	0.28	0.00	0.00	0.00	3	1.75	4.81	5.38	7.40	7.40	7.40
		Jahanabad ...	0.00	2.15	0.73	0.00	0.00	0.00	4	3.80	4.40	3.75	10.10	10.10	10.10
		Arroh ...	0.31	0.00	0.00	0.00	0.00	0.00	3	1.61	3.34	3.34	10.43	10.43	10.43
		Haidwagar ...	0.00	0.00	0.00	0.00	0.00	0.00	3	0.61	3.18	3.18	12.02	12.02	12.02
		Shorghati ...	0.58	0.50	0.00	1.50	0.00	0.00	4	2.90	3.75	3.75	10.73	10.73	10.73
		Kajauli ...	0.40	0.00	0.00	0.00	0.00	0.00	2	0.70	1.10	1.10	0.73	0.73	0.73
		Patri Bagan ...	0.00	0.40	0.40	0.40	0.00	1.00	3	1.80	3.35	3.35	4.25	4.25	4.25
	Patna	Patna ...	0.00	1.46	0.32	0.00	0.00	0.00	3	1.78	5.63	4.93	15.10	15.10	15.10
		Dumree ...	0.00	2.57	2.20	0.00	0.00	0.00	2	4.77	5.73	4.23	15.16	15.16	15.16
		Behar ...	0.08	1.33	1.47	0.00	0.00	0.00	3	2.81	4.47	4.47	15.35	15.35	15.35
		Murti ...	0.00	0.35	0.40	0.00	0.00	0.00	4	1.04	3.40	3.50	10.39	10.39	10.39
		Ekstrem ...	0.00	1.35	0.70	0.00	0.00	0.10	3	3.74	3.90	3.90	13.80	13.80	13.80
		Zila ...	0.00	2.50	0.84	0.00	0.00	0.00	3	4.04	5.88	5.88	10.47	10.47	10.47
	Munshyr	Sogoseeral ...	0.08	0.73	0.40	1.00	0.00	0.27	7	4.62	6.50	4.73	13.36	13.36	13.36
		Munshyr ...	0.05	0.05	0.05	1.03	0.22	1.00	6	4.21	5.44	4.38	15.41	15.41	15.41
		Jamun ...	0.21	0.67	1.84	0.17	0.17	0.49	5	2.58	3.18	4.30	10.03	10.03	10.03
		Gogri ...	0.00	1.40	1.80	0.00	0.00	1.15	4	3.15	3.70	3.70	10.16	10.16	10.16
		Shikhar ...	0.00	2.70	0.00	0.00	0.00	0.00	1	2.70	3.40	3.40	10.30	10.30	10.30
	South West- pore.	Simaulpore ...	0.00	0.71	3.15	0.20	1.50	0.02	6	5.74	8.79	5.74	15.40	15.40	15.40
		Simaulpore ...	0.00	0.40	3.60	1.20	0.10	0.18	6	5.08	8.03	5.08	14.05	14.05	14.05
		Kolung ...	0.00	1.19	4.50	2.30	0.10	0.18	4	8.38	12.57	8.38	22.96	22.96	22.96
	South of Pat- na.	Rajmahal ...	0.04	1.35	1.35	0.01	0.01	0.01	4	4.32	8.20	6.16	20.44	20.44	20.44
		tochra ...	0.00	0.50	1.41	0.00	0.00	0.00	3	3.91	3.78	3.78	15.17	15.17	15.17
		Pakour ...	0.21	1.25	0.25	0.17	0.17	0.28	6	3.41	6.41	6.41	17.91	17.91	17.91
		Nya Doonah ...	0.14	0.08	0.70	0.63	0.30	0.00	6	3.65	3.80	3.80	15.04	15.04	15.04
		Doonah ...	0.02	0.09	2.14	0.01	0.00	0.40	6	4.93	7.18	5.97	12.30	12.30	12.30
		Jalucare ...	0.49	0.14	0.24	0.52	0.33	0.33	6	2.08	3.58	7.51	0.69	0.69	0.69
		Sera ...	0.30	1.00	0.60	2.00	1.10	0.00	5	4.00	7.70	4.00	9.45	9.45	9.45
		Nawab ...	0.00	1.15	0.00	0.00	0.00	0.00	2	1.05	3.78	3.78	0.00	0.00	0.00
	Hamirpore	Phouboon (Girdi) ...	0.00	0.63	1.93	0.17	0.15	0.07	3	2.73	5.62	6.33	8.23	8.23	8.23
		Hazratnagar ...	0.03	1.51	0.04	0.17	0.15	0.07	5	2.53	5.70	5.43	9.07	9.07	9.07
		Somnagar ...	0.00	1.73	0.00	0.11	0.11	0.33	3	2.21	6.44	6.44	10.20	10.20	10.20
		Simaulpore ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Simaulpore ...	0.04	0.81	0.43	0.83	0.00	0.00	3	0.60	1.40	1.40	0.70	0.70	0.70
		Simaulpore ...	0.00	1.73	0.43	0.12	0.12	0.00	3	2.31	3.11	3.11	11.54	11.54	11.54
		Simaulpore ...	0.00	0.40	0.18	0.70	0.70	0.00	4	1.68	5.33	5.33	11.23	11.23	11.23
		Simaulpore ...	0.00	0.32	0.73	0.73	0.73	0.00	3	1.60	4.78	4.78	10.38	10.38	10.38
	Chauranga	Chauranga ...	0.12	0.03	0.76	0.71	0.23	0.00	5	1.87	5.88	5.88	10.03	10.03	10.03
		Chauranga ...	0.10	1.64	1.44	1.50	1.50	0.00	5	5.11	8.33	6.00	10.54	10.54	10.54
		Chauranga ...	0.00	1.45	0.14	0.35	0.35	0.00	3	1.94	3.97	4.10	8.40	8.40	8.40
		Chauranga ...	0.00	1.80	0.00	0.00	0.00	0.00	2	1.80	6.70	6.70	8.00	8.00	8.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00
		Chauranga ...	0.00	0.00	0.00	0.00	0.00	0.00	1	0.00	0.00	0.00	0.00	0.00	0.00

Explanation.—Indicates that no rain was fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall column are left blank.

**CALCUTTA, the 28th June 1887.**

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS  
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-  
TIONS TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE  
24TH OF JUNE 1887.**

At the close of the previous week the meteorological conditions which obtained over the province were not very far removed from the normal, except that on Friday, the 17th, a rather strong westerly element was present in the wind directions in Bengal, pointing probably to a considerable extension of the Bombay branch of the monsoon current, and which had to a certain extent driven back the monsoon current blowing from the Bay of Bengal. On Saturday, the 18th, the westerly element in the wind directions was decreasing in force, and these winds were being driven back by a slight increase in the strength of the Bengal current. On this day, therefore, conditions were only fairly favourable for rainfall, and moderate rain was reported from the south-western and northern districts. On Sunday, the 19th, the 10 A.M. observations showed clearly that a very feeble whirl or barometric depression had formed over the Sunderbans, the centre of the whirl being apparently only a short distance to the south-east of Sangor Island. On this day the wind direction at the stations at the head of the Bay showed a distinct cyclonic circulation in connection with the feeble whirl, but the wind velocities were in all cases light. On Sunday rainfall was fairly general in South-West Bengal and Orissa, and in some cases decidedly heavy in connection with the small depression, but the indraught towards it to a certain extent stopped the progress of the monsoon current over Bengal, and rainfall was to a great extent absent in East and North Bengal and in Behar. On Monday, at 10 A.M., the very feeble storm had moved in a north-westerly direction, and its centre was between Burdwan, Ranigunge and Bancoorah, and apparently approaching Ranigunge, and round the storm wind directions showed a very complete cyclonic circulation. It had also intensified slightly on this day, and the depression was very distinctly perceptible, though the wind force in connection with it was small. The feeble storm, however, brought up a rather heavy burst of rainfall to the area affected by it, and by allowing the monsoon current to again advance over the land, rainfall extended to other parts of Bengal also, and on this day heavy rain was reported over a large part of the province. On Tuesday, the 21st, the storm had again advanced in a north-westerly direction, and its centre was in South Behar. It was on this day probably becoming more feeble, and it was then a decidedly shallow depression, the centre of which was between Gya and Bhagnipore. On Tuesday rainfall became lighter in South-West Bengal, Orissa and to a certain extent in East Bengal, but the area of heavy rainfall extended to the northern districts of the province, and on this day heavy rain fell in Behar and North Bengal. The feeble storm then commenced to break up, and in its disappearance again produced heavy rain over the whole of the northern districts of the province, and on Wednesday, the 22nd, the storm had scarcely any well defined existence at all. The very feeble storm having thus disappeared, conditions became nearly normal, and rainfall decreased in quantity and also in area.

The pressure changes which were taking place during the week were also important, and, with the exception of the area immediately affected by the depression above described, pressure has been rising almost steadily throughout the week over the remainder of the province. With the disappearance of the depression, therefore, on Friday, the 24th, pressure became largely above the normal over the whole province, the average excess in Bengal generally being greater than a tenth of an inch, while the excess in Assam was only equal to about half this amount. This extremely large excess pressure has naturally had the effect of stopping the flow of the monsoon current over Bengal, and thus conditions had become favourable for a break in the rains at the end of the week.

**Pressure.**—As above stated, has risen almost steadily throughout the week over the province, except over that part which was affected by the feeble storm. The mean pressure for the week is therefore above the normal at almost all stations. Taking only into consideration those stations from which averages have been obtained for a considerable number of years, the average excess pressure for the week has been nearly 0.08". At Calcutta, however, near which the centre of the feeble storm must have passed, pressure has been in defect by 0.007". The largest variations from the normal have been an excess of 0.052" at Cuttack and one of 0.047" at Hazaribagh. In the previous week the average pressure was rather considerably below the normal in all districts.

**Temperature.**—Owing to the heavy rainfall which has been received in Behar and North Bengal, temperature in these districts is rather largely below the normal; and the defect in North Behar equals 2.3°, in South Behar 2.1°, and in North Bengal 1.4°. In Chutia Nagpur also the mean temperature has been below the normal by 1.1°, and in Assam the defect is 0.7°. South-West Bengal and Orissa, on the other hand, have had a normal temperature, and in East Bengal the temperature has been 0.5° above the normal for the period. For the whole of Bengal, therefore, temperature has been about 1° in defect of the normal for the week.

**Rainfall.**—Has been in excess of the normal in all districts except East Bengal, where there has been a small defect. North Bengal has received an average fall of no less than 8.70 inches falling on an average of 5.1 days in the week. This amount is no less than 4.16 inches in excess of the normal, which is 4.54 inches; and this district has therefore

received a fall almost twice as large as usual. North Behar has received 5.50 inches, which is no less than 3.05 inches in excess of the normal for the week, and thus this district has received considerably more than twice the normal rainfall. South-West Bengal has received an average fall of 3.40 inches, the normal fall for the week being 2.55 inches, and the actual is thus distinctly larger than the normal. South Behar has received 2.80 inches against the normal 1.94 inches, Orissa an actual fall of 2.76 inches against 2.18 inches, and Chutia Nagpur a fall of 2.72 inches against the normal 2.38 inches; and thus each of these districts has received a fall considerably larger than the normal. East Bengal, on the other hand, has only received an average rainfall of 3.60 inches, the normal fall being 4.40 inches, and is thus distinctly, though not very largely, in defect.

In Assam rainfall has been general and frequent throughout the week, and at those stations from which reports are received, the following falls are recorded:— at Dhubri 5.56 inches, at Sibnagar 3.98 inches, and at Silchar 2.10 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 24th of June 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.						RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1887.	
			(1) Highest of each day.	(2) Lowest of each day.	(3) Mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	89.4	74.0	80.9	79.0	84.3	-0.2	2.76	2.18	+0.58	3.7	3.2	+0.5	4.20	5.29	10.33	7.61
South-West Bengal	86.8	75.3	80.6	78.0	84.7	0	3.40	2.55	+0.85	4.8	3.9	+0.9	7.17	8.50	11.36	10.06
East Bengal	92.1	70.9	87.2	77.3	82.3	+0.3	3.00	4.45	-0.85	5.0	5.0	0	11.85	13.41	15.62	10.94
North Bengal	92.3	69.6	86.7	78.2	81.5	-1.4	3.79	4.84	-1.05	6.1	4.6	+0.5	19.33	14.04	22.14	19.14
North Behar	94.9	71.3	88.1	77.1	82.6	-2.3	5.50	2.45	+3.05	4.4	5.1	-1.3	10.41	6.37	18.12	7.80
South Behar	94.6	73.9	88.8	79.0	83.4	-1.1	2.79	1.94	+0.85	4.1	2.0	+1.1	4.08	4.89	12.73	6.04
Chutia Nagpur	91.5	69.9	83.4	78.2	79.3	-0.1	2.71	2.38	+0.23	3.8	3.6	+0.2	4.89	0.23	11.06	7.63
Assam	95.6	74.8	87.0	76.8	81.9	-0.7										

\* Chyabassa not included.

METEOROLOGICAL OFFICE, BENGAL;  
The 28th June 1887.

A. PEDLER,  
Offg. Meteorological Reporter to the Govt. of Bengal.

**Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 19th to 25th June 1887.**

MONTHS.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	"	°	"	Inches.	°	%	Inches
June	19th	81.8	90.0	12.4	77.6	79.9	1.003	70.3	93	0.32
"	20th	82.0	88.0	10.3	77.7	79.8	.980	73.9	90	1.92
"	21st	81.2	85.0	6.7	78.3	79.2	.973	78.4	91	0.03
"	22nd	84.6	92.2	12.4	79.8	81.4	1.030	80.2	86	0.02
"	23rd	83.5	86.0	10.2	79.8	81.3	1.011	80.4	89	Nil.
"	24th	84.2	93.0	12.6	80.4	81.2	1.026	79.6	87	"
"	25th	85.5	93.2	14.3	78.6	81.0	.908	79.2	81	"

The mean temperature of the seven days ... 83.2

The extreme variation of temperature ... 15.6

The maximum temperature ... 93.2

The mean relative humidity ... 88%

The total fall of rain from 19th to 25th June 1887 ... 2.29 Inch.

The mean temperature and humidity are obtained by applying to the mean of the 10a, 10h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

The 27th June 1887.

For Offg. Meteorological Reporter to the Govt. of India.

## PUBLIC WORKS DEPARTMENT, BENGAL.

## IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1887-88.

Areas leased for Irrigation up to end of April 1887.

Circuit.	District.	Canal.	Estimated full discharge.	Average discharge in month.	Discharge utilized.	Area of land irrigated during the year up to the end of the month.	Approximate area of land under irrigation up to the end of the last year.	Five years crops.	Five years kharif.	ANNUAL LEASES.					RAINFALL.		REMARKS.	
										Kharif.	Rabi.	Sugar-cane.	Bhadra.	Hol. weather.	Grand total.	1887-88.		
																During month.		Up to end of month.
Cuttack.	Midnapore.	Talchanda 1st	1,368	61	10	36	...	...	...	...	...	...	...	...	...	...	Three days discharging. Ten days discharging.	
		Talchanda 2nd	808	...	...	...	...	...	...	...	...	...	...	...	...	...		...
		Wachong	178	12	123	...	...	...	...	...	...	...	...	...	...	...		...
		Gendrapara	1,263	135	110	...	...	...	...	...	...	...	...	...	...	...		...
		Gouri	372	28	9	...	...	...	...	...	...	...	...	...	...	...		...
		Patamondoo	1,048	57	45	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	675	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
Sunderb.	Sunderb.	High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...	Five-year leases which expired on the 31st March 1887 have been omitted.	
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
Sunderb.	Sunderb.	High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...	Five-year leases which expired on the 31st March 1887 have been omitted.	
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...
		High Level.	727	21	21	...	...	...	...	...	...	...	...	...	...	...		...

The 28th June 1887.

C. W. I. HARRISON, Brevet-Col., R.E.,  
Offg. Joint-Secretary to the Govt. of Bengal.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 18th June 1887, compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 18th JUNE 1887.			WEEK ENDING SATURDAY, THE 19th JUNE 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	218	87,718	597	204	48,052	830
Jute ...	19	9,910	208	6	6,900	118
Firewood ...	111	56,175	850	85	35,950	518
Other articles ...	742	2,17,379	2,998	538	1,43,620	2,153
Total ...	1,090	2,21,182	4,653	833	2,34,432	3,609

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 25th June 1887, compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 25th JUNE 1887.			WEEK ENDING SATURDAY, THE 30th JUNE 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	355	55,800	946	177	44,315	762
Jute ...	12	5,900	100	6	2,275	42
Firewood ...	92	45,900	659	187	36,280	582
Other articles ...	824	2,83,140	3,378	684	2,05,985	2,781
Total ...	1,283	3,40,800	5,083	1,054	2,88,855	4,167



## Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of May 1887, as compared with the same month of the previous year.

STAPLES.	1886.		1887.		1886.	1887.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
I.—Coal ...	464	...	413	...	444	418	26	5
II.—Onion, raw ...	9	...	7	...	9	7	2	...
IV.—Cotton piece-goods—								
a.—In bales and bundles	57	...	46	2	57	48	9	...
X.—Jute—								
2.—Gunny-bags and cloths	...	...	25	...	25	25	...	...
VII.—Grains—								
1.—Wheat ...	...	...	60	...	60	60	...	...
2.—Rice ...	...	...	30	145	180	180	...	...
4.—Gram ...	...	...	...	1	1	1	...	...
5.—Others ...	...	...	41	...	41	41	...	...
VIII.—Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	...	...	...	2	...	2	...	...
XII.—Leather, manufactured	...	...	...	...	...	...	...	...
XIII.—Liquors—								
1.—Beer ...	...	...	1	...	1	1	...	...
2.—Wines ...	...	...	1	...	1	1	...	...
3.—Spirits ...	...	...	1	...	1	1	...	...
XIV.—Metals—								
1.—Copper, unwrought	...	...	...	...	...	...	...	...
2.—Others ...	...	...	...	...	...	...	...	...
XV.—Oils—								
2.—Kerosine ...	...	...	1	...	1	1	...	...
3.—Others ...	...	...	17	...	17	17	...	...
XIX.—Provisions—								
1.—Ghee ...	...	...	1	...	1	1	...	...
2.—Dried fruits and nuts	...	...	1	...	1	1	...	...
XX.—Railway plant and rolling-stock	9	4	22	7	13	33	19	...
XXI.—Salt ...	10	...	29	...	10	24	14	...
XXVI.—Oilseeds—								
1.—Linseed	...	...	...	...	...	...	...	...
2.—Mustard and rapo	...	...	...	...	...	...	...	...
3.—Others ...	...	...	...	...	...	...	...	...
XXVII.—Silk raw—								
2.—Indian	...	...	...	...	...	...	...	...
XXIV.—Silk piece-goods—								
2.—Indian	...	...	...	...	...	...	...	...
XXVL.—Sugar—								
1.—Dressed	...	...	...	...	...	...	...	...
2.—Undressed	...	...	...	...	...	...	...	...
XXX.—Tobacco	...	...	...	...	...	...	...	...
XXXII.—All other articles of merchandise	129	50	160	30	159	130	29	...
Total	643	150	975	214	1,013	1,189	281	115

## INCREASE.

Tons.

Gunny-bags and cloths	26
This increase is due to this being included into sundries last year.	
Grains—Rice	135
The increase in this staple is due to plentiful crops and larger export from intermediate stations—	
Howdu and Bokharu.	
Oils	17
This increase is due to this being included into sundries last year.	
Railway plant and rolling-stock	19
This increase is due to more materials carried during the month.	
Salt	72
This increase is due to sudden demand in the market.	

## DECREASE.

Coal	51
This decrease is due to larger import during the last month.	
Oilseeds	24
This decrease is due to low demand in the market.	

NALHATI, the 24th June 1887.

R. G. MOOKERJEE, Manager.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total for the week ...	254,043	Rs. 4,40,140 6 8	Mds. 29,41,397 0	Rs. 5,36,320 12 0	Rs. 18,078 14 3	Rs. 8,03,339 0 0	63,737 1/2	111,760 1/2	175,497 1/2
Or per mile of railway ...	167	2 13 8 3	19 3 7	3 53 0 7	12 4 9	5 24 11 7	...	...	...
For previous 23 weeks of half-year ...	5,969,136	Rs. 10,39,116 16 0	Mds. 8,37,01,959 10	Rs. 1,28,53,480 0 9	Rs. 4,37,915 8 4	Rs. 3,29,32,531 7 7	1,233,337 1/2	2,063,310	3,296,647 1/2
Total for 24 weeks ...	6,243,179	Rs. 10,57,306 5 0	Mds. 8,66,44,856 10	Rs. 1,34,90,019 12 9	Rs. 4,56,894 6 7	Rs. 3,58,33,920 8 4	1,617,086	2,775,370 1/2	4,392,456 1/2
COMPARISON.									
Total for corresponding week of previous year ...	254,333	Rs. 4,39,646 9 6	Mds. 29,04,370 0	Rs. 5,02,350 2 0	Rs. 17,180 1 0	Rs. 8,66,376 12 8	63,648	111,237	174,885
Per mile of railway corresponding week of previous year ...	167	2 13 8 4	19 3 7	3 53 0 7	12 4 9	5 24 11 7	...	...	...
Total to corresponding date of previous year ...	5,987,565	Rs. 10,38,722 13 4	Mds. 8,61,91,800 10	Rs. 1,33,81,724 1 0	Rs. 4,16,899 1 0	Rs. 3,56,94,326 13 7	1,616,036	2,679,577	4,295,613

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,515	Rs. 4,40,140	Rs. 2 13 8 3	1,519	Rs. 10,57,306	Rs. 6 96	1,516	Rs. 1,14,81,747	7,579	1,519	Rs. 1,31,11,538	7,317	...	5,67,140

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 57 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	10,793	Rs. 4,793 3 0	Mds. 62,916 0	Rs. 2,913 8 6	Rs. 56 3 3	Rs. 8,763 13 0	1,038	973	2,006
Or per mile of railway ...	187	82 9 2	108 80	50 2 10	1 1 4	151 4 8	...	...	...
For previous 23 weeks of half-year ...	222,773	Rs. 1,23,923 15 0	Mds. 12,49,856 80	Rs. 79,901 4 2	Rs. 1,804 0 3	Rs. 3,64,903 4 0	38,901	21,810	60,711
Total for 24 weeks ...	233,566	Rs. 1,70,636 3 0	Mds. 12,62,802 30	Rs. 82,815 6 9	Rs. 1,824 3 3	Rs. 3,66,728 1 0	39,939	22,780	62,719
COMPARISON.									
Total for corresponding week of previous year ...	12,634	Rs. 6,159 5 8	Mds. 79,197 0	Rs. 4,402 8 8	Rs. 61 13 8	Rs. 9,794 9 3	1,797	721	2,518
Per mile of railway corresponding week of previous year ...	221	107 8 5	1,363 10	75 15 8	1 11 8	171 3 9	...	...	...
Total to corresponding date of previous year ...	513,191	Rs. 1,63,479 10 7	Mds. 12,03,746 10	Rs. 84,460 13 0	Rs. 1,167 11 0	Rs. 3,49,087 1 7	40,215	22,274	62,489

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
57 1/2	Rs. 9,793	Rs. 171	57 1/2	Rs. 17,063	Rs. 296	57 1/2	Rs. 1,18,697	2,053	57 1/2	Rs. 1,40,903	2,468	...	4,765

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,209	538 8 0	7,838 10	228 14 0	18 10 0	778 8 0	900	284	408
Or per mile of railway ...	.....	44 14 0	.....	18 9 2	0 14 2	64 8 4	.....	.....	.....
For previous 23 weeks of half-year ...	72,545	12,190 4 0	4,48,196 20	12,336 1 0	199 3 5	25,034 7 0	7,514	4,107	11,621
Total for 24 weeks ...	75,754	12,728 12 0	4,56,034 20	12,564 13 0	249 13 0	25,783 7 6	7,533	4,391	11,924
COMPARISON.									
Total for corresponding week of previous year ...	5,439	579 7 3	12,785 0	480 4 0	44 12 0	1,074 7 3	800	193	493
Per mile of railway corresponding week of previous year ...	.....	48 4 7	.....	37 5 4	3 11 8	89 8 7	.....	.....	.....
Total to corresponding date of previous year ...	70,304	12,120 1 10	7,61,803 10	14,836 6 0	1,077 7 3	28,938 15 7	7,814	6,956	14,770

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
12	Rs. 1,074	90	12	Rs. 778	64	19	Rs. 14,790	1,310	12	Rs. 12,083	1,008	.....	Rs. 2,811

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,445	4,237 9 0	98,028 10	3,834 2 0	98 5 3	0,169 11 0	663	1,203	1,874
Or per mile of railway ...	.....	70 0 4	.....	51 4 2	1 4 11	132 8 0	.....	.....	.....
For previous 23 weeks of half-year ...	140,011	1,07,808 12 0	24,75,796 0	1,02,303 4 6	2,076 2 1	2,12,844 2 2	17,086	29,115	46,201
Total for 24 weeks ...	145,456	1,12,046 5 0	24,80,594 10	1,04,138 0 0	2,778 2 9	2,15,013 14 3	17,709	29,324	47,033
COMPARISON.									
Total for corresponding week of previous year ...	4,959	3,072 2 3	1,61,922 10	3,592 12 0	261 6 2	7,760 5 0	258	1,200	2,027
Per mile of railway corresponding week of previous year ...	.....	53 1 8	.....	48 0 0	3 11 1	105 13 3	.....	.....	.....
Total to corresponding date of previous year ...	136,569	1,00,348 5 3	20,40,099 30	84,531 11 6	2,562 0 6	1,63,326 4 3	25,517	27,693	53,210

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
74½	Rs. 7,760	104	74½	Rs. 2,770	122	74½	Rs. 84,510	1,147	74½	Rs. 1,60,017	1,840	Rs. 14,181	.....

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	16,334	4,508 7 6	7,621 20	283 12 0	11 0 0	4,798 3 0	908	05	908
per mile of railway...	...	202 6 5	...	12 12 1	0 7 11	216 10 5	...	...	...
previous 23 weeks of half-year...	471,308	1,24,090 2 0	1,04,044 30	3,785 7 0	170 15 0	1,31,608 8 0	21,704	1,934	22,708
Total for 24 weeks...	487,732	1,29,292 9 0	2,02,266 10	7,069 9 0	181 15 0	1,36,404 11 0	22,607	1,159	23,766
COMPARISON.									
for corresponding week previous year...	16,307	4,801 9 1	4,777 10	189 5 0	6 10 3	5,094 8 4	981	81	1,012
per mile of railway corresponding week of previous year...	...	219 13 7	...	8 14 7	0 4 9	239 0 11	...	...	...
to corresponding date of previous year...	404,218	1,81,276 7 4	2,44,970 10	8,642 10 0	172 10 5	1,40,001 11 9	24,140	2,008	26,748

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
6,007	220	22½	4,708	216	22½	67,794	3,047	22½	65,846	2,929	...	...	1,946

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week...	2,037	1,207 10 3	17,068 10	1,110 5 0	77 0 0	2,340 15 3	260	979	588
per mile of railway...	...	28 10 0	...	26 7 0	0 10 4	55 11 10	...	...	...
previous 23 weeks of half-year...	61,831	20,844 2 0	11,47,638 30	71,418 5 0	718 7 3	1,01,976 15 9	4,350	13,038	18,018
Total for 24 weeks...	67,838	21,047 12 0	11,64,778 0	72,528 11 0	740 7 3	1,04,318 15 0	4,580	14,017	18,906
COMPARISON.									
for corresponding week previous year...	2,626	1,125 0 0	5,182 0	412 5 0	14 10 0	1,552 0 0	436	163	594
per mile of railway corresponding week of previous year...	...	26 15 2	...	9 12 9	0 5 7	36 15 0	...	...	...
to corresponding date of previous year...	27,023	12,375 0 6	1,80,000 0	15,800 10 3	240 2 3	10,423 2 10	3,778	2,943	6,720

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 18TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1886.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
1,253	37	41	2,341	56	42	26,423	619	42	47,738	1,137	...	21,316	...

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D. AND ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ending 11th June 1887, on 645 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	114,908	53,460 0 0	4,53,300 0	62,900 0 0	11,070 0 0	1,27,330 0 0	19,830	18,330	38,160
Or per mile of railway	178	82 0 0	703 0	97 0 0	(5) 1 0 0	181 0 0	...	...	...
For previous 22 weeks of half-year	2,229,447	14,02,937 0 0	1,14,22,455 0	16,68,246 0 0	2,84,028 0 0	23,56,821 0 0*	434,636	421,630	856,266
Total for 23 weeks	2,344,455	14,56,397 0 0	1,21,46,955 0	17,31,246 0 0	2,95,098 0 0	24,81,891 0 0	454,466	439,960	894,426
COMPARISON.									
Total for corresponding week of previous year	136,600	(a) 103,647 0 0	8,06,400 0	64,184 0 0	12,183 0 0	1,38,834 0 0	17,612	18,100	35,712
Per mile of railway corresponding period of previous year	229	105 0 0	654 0	90 0 0	...	201 0 0	...	...	...
Total to corresponding date of previous year	2,209,070	13,51,517 0 0	1,85,06,054 0	17,40,111 0 0	3,05,630 0 0	24,05,314 0 0	460,044	423,990	884,034

\* Audited up to 31st March 1887.

(a) Increase due to Poochoora bathing festival.

(b) Steam-boat earnings Rs. 10,370 have been excluded from the calculation.

Note—Dacca and Assam-Bihar Sections are also published separately.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
...	1,35,684	234	645	1,27,330	197	800	14,34,627	187	845	14,02,100	217	...	32,478

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 18th June 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	24,000	8,590 0 0	54,000 0	3,000 0 0	50 0 0	11,640 0 0	3,780	1,434	5,214
Or per mile of railway	192	68 0 0	432 0	24 0 0	...	92 0 0	...	...	...
For previous 22 weeks of half-year	503,471	2,05,892 0 0	9,51,434 0	60,898 0 0	7,091 0 0	2,67,855 0 0	87,928	38,191	126,119
Total for 24 weeks	517,471	2,14,382 0 0	10,05,434 0	63,898 0 0	7,141 0 0	2,75,006 0 0	91,708	39,625	131,333
COMPARISON.									
Total for corresponding week of previous year	24,703*	12,839 0 0*	16,768 0	2,331 0 0	19 0 0	15,209 0 0	3,908	1,314	5,222
Per mile of railway, corresponding period of previous year	276	103 0 0	130 0	11 0 0	...	114 0 0	...	...	...
Total to corresponding date of previous year	519,331	2,31,636 0 0	8,80,556 0	51,407 0 0	719 0 0	2,73,559 0 0	94,291	37,465	131,756

\* Includes monthly tickets.

† Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 18TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
...	14,309	114	125	11,550	92	125	1,35,306	98	134	1,50,404	90	1,286	...



## DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 11th June 1887, on 80 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	11,000	3,800 0 0	5,500 0	450 0 0	30 0 0	4,300 0 0	2,100	800	2,900
Per mile of railway...	138	48 0 0	69 0	5 0 0	1 0 0	50 0 0			
For previous 22 weeks of half-year...	252,743	94,091 0 0	3,33,381 0	27,774 0 0	3,210 0 0	1,25,071 0 0	48,300	24,082	72,382
Total for 23 weeks...	263,743	97,891 0 0	3,44,881 0	28,224 0 0	3,240 0 0	1,28,311 0 0	50,400	24,882	75,282
COMPARISON.									
Total for corresponding week of previous year...	9,351	3,100 0 0	3,500 0	450 0 0	70 0 0	3,630 0 0	1,800	800	2,600
Per mile of railway corresponding period of previous year...	117	39 0 0	51 0	5 0 0		44 0 0			
Total to corresponding date of previous year...	221,000	64,081 0 0	3,23,761 0	26,223 0 0	3,071 0 0	60,000 0 0	18,670	34,200	52,870

\* Audited up to 31st March 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
80	Rs. 3,630	45	86	Rs. 4,300	50	86	Rs. 43,706	51	86	Rs. 46,735	54	Rs. 3,029	

## ASSAM-BEHAR STATE RAILWAY.

## PUBBANAH SECTION.

Approximate Return of Traffic for week ended 11th June 1887, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. c.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,407	900 0 0	38,000 0	1,050 0 0	20 0 0	2,830 0 0	470	600	1,070
Per mile of railway...	62	23 0 0	975 0	27 0 0	1 0 0	28 0 0			
For previous 9 weeks of half-year...	23,689	8,101 0 0	2,10,701 0	21,270 0 0	140 0 0	22,570 0 0	4,304	5,046	9,350
Total for 10 weeks...	26,096	9,021 0 0	2,34,701 0	22,520 0 0	160 0 0	23,400 0 0	4,774	5,646	10,420
COMPARISON.									
Total for corresponding week of previous year...									
Per mile of railway corresponding period of previous year...									
Total to corresponding date of previous year...									

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 12TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 12TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 11TH JUNE 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
				Rs.	Rs.					Rs.	Rs.		
			39	Rs. 2,430	75				39	Rs. 23,406	55	Rs. 32,406	

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 18th June 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	T.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	2,898½	974 5 ½	7,330 90	534 4 1	16 4 0	1,814 13 4	548	234	
Per mile of railway	80	35 15 0	268 0	19 4 0	0 9 0	65 9 0			
For previous 23 weeks of half-year	69,744	26,449 10 8	2,80,586 10	16,941 11 11	555 12 0	43,547 2 8	11,770	7,474½	
Total for 24 weeks	72,642½	27,424 0 0	2,87,917 0	17,066 0 0	572 0 0	45,092 0 0	12,318	7,708½	
COMPARISON.									
Total for corresponding week of previous year	4,281½	1,809 16 9	7,535 30	656 5 10	26 8 8	2,490 12 4	563		
Per mile of railway corresponding week of previous year	157	60 6 0	288 0	24 1 0	0 15 0	91 6 0			
Total to corresponding date of previous year	65,447	23,712 7 8	1,92,805 10	14,621 8 4	604 15 2	41,593 23 0	12,334	6,857	

\* There was an unusual increase of passenger traffic during the corresponding week of the previous year on account of bathing season. Hence the present decrease.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 10TH JUNE 1886.			RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH JUNE 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			Total increase 1887.	Total decrease 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.		
27½	Rs. 2,401	Rs. 91	27½	Rs. 1,315	Rs. 60	27½	Rs. 21,393	Rs. 786	27½	Rs. 21,201	Rs. 776		182

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 11th June 1887	Rs. 9,957
Corresponding week last year	9,328
Increase	771
Receipts from 1st January to 11th June 1887	1,81,057
From 1st January to 12th June 1886	2,00,338
Increase	28,281
Miles open, week ending 11th June 1887	51
Corresponding week last year	50½
Increase	½
Receipts per mile open, week ending 11th June 1887	Rs. A. P. 177 9 5
Corresponding week last year	193 10 6
Increase	16 1 1

CHIEF OFFICE, DARJEELING, the 18th June 1887.

W. STEVENSON, Acting Manager, D. H. Ry.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 18th June 1887	Rs. 9,034
Corresponding week last year	9,028
Increase	6
Receipts from 1st January to 18th June 1887	1,90,691
From 1st January to 19th June 1886	2,18,964
Increase	27,873
Miles open week ending 18th June 1887	51
Corresponding week last year	50½
Increase	½
Receipts per mile open week ending 18th June 1887	Rs. A. P. 177 2 9
Corresponding week last year	177 13 10
Increase	0 11 6

CHIEF OFFICE, D. H. Ry., DARJEELING, the 26th June 1887.

W. STEVENSON, Acting Manager, D. H. Railway.